

McGILL UNIVERSITY
MONTREAL



ANNOUNCEMENT
OF THE
FACULTY OF MEDICINE

1938-1939

McGILL UNIVERSITY
MONTREAL



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OF THE
FACULTY OF MEDICINE

1883-1884

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CALENDAR OF THE FACULTY OF MEDICINE

FOR THE SESSION 1938-39

1938

Mon., Aug. 29th } Registration of students in first three years of
 Tues., Aug. 30th } Medicine.

Wed., Aug. 31st Autumn Term for students in first three years
 of Medicine begins.

Mon., Sept. 5th Labour Day. No lectures.

Tues., Sept. 6th Register opens for students in Fourth and Fifth
 Years Medicine.

Wed., Sept. 14th Autumn Term for students in Fourth and Fifth
 Years Medicine begins.

Wed., Oct. 5th Register closes for the session.

Thurs., Oct. 6th Founder's Day. Convocation.
 (James McGill born October 6th, 1744, died
 December 19th, 1813.)

Fri., Oct. 21st Intercollegiate Sports Day. No lectures.

Fri., Nov. 11th Remembrance Day. No lectures.

Wed., Dec. 21st Last day of lectures before Christmas.

1939

Thurs., Jan. 5th Lectures resumed.

Sat., Feb. 25th }
 Sat., to }
 Mon., Feb. 27th (inclusive) } Short Recess. No lectures.

Fri., April 7th }
 Fri., to }
 Mon., April 10th (inclusive) } Easter vacation.

Tues., April 25th Spring Term ends for students in Fourth and
 Fifth Years Medicine.

Mon., May 1st Examinations for students in Fourth and Fifth
 Years Medicine begin.

Thurs., May 25th Convocation.

Sat., June 3rd Third Term ends for students in first three
 years of Medicine.

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Demonstrator in Medicine. 5770 Durocher Ave., Outremont.

J. L. D. MASON, B.A., M.D., C.M.
Demonstrator in Medicine. 3456 Park Avenue.

L. H. MCKIM, M.D., C.M., F.R.C.S. (C.), F.A.C.S.
Demonstrator in Surgery. Medical Arts Building.

M. I. SENG, M.D., C.M., F.R.C.S. (C.).
Demonstrator in Urology. Medical Arts Building.

E. V. MURPHY, B.A., M.D., C.M.
Demonstrator in Medicine. Alexandra Hospital.

COLIN SUTHERLAND, B.A. (Dalhousie), M.D., C.M.
Demonstrator in Medicine. 1509 Sherbrooke Street West.

D. L. MENDEL, M.D., C.M.
Demonstrator in Medicine. 423 St. Joseph Blvd. W.

H. E. MACDERMOT, M.D., C.M., F.R.C.P. (C.).
Demonstrator in Medicine. Drummond Medical Building.

A. STEWART, M.D., C.M., F.R.C.S. (C.).
Demonstrator in Surgery. Drummond Medical Building.

C. R. JOYCE, M.D., C.M.
Demonstrator in Medicine. 5242 Park Avenue.

J. F. MACIVER, M.D., C.M. (Queen's).
Demonstrator in Medicine. 3757 Wilson Avenue.

D. S. FORSTER, M.A., M.D., C.M.
Senior Demonstrator in Anatomy. 4405 Wellington St.

DOUGLAS GURD, M.D., C.M.
Demonstrator in Obstetrics and Gynaecology. 1482 Mackay St.

ELEANOR S. PERCIVAL, B.A., M.D., C.M., F.R.C.S. (C.).
Demonstrator in Obstetrics and Gynaecology. 1374 Sherbrooke Street West.

JESSIE BOYD SCRIVER, B.A., M.D., C.M., F.R.C.P. (C.).
Demonstrator in Paediatrics. Royal Victoria Hospital

R. VANCE WARD, M.D., C.M.
*Demonstrator in Public Health and Preventive Medicine and
 Demonstrator in Medicine.* 561 Côte St. Catherine Road.

E. B. CHANDLER, M.D., C.M.
Demonstrator in Surgery. 1374 Sherbrooke St. W.

L. P. EREAUX, B.Sc., M.D., C.M.
Demonstrator in Dermatology. 1390 Sherbrooke St. W.

BARUCH SILVERMAN, M.D., C.M.
*Demonstrator in Public Health and Preventive Medicine
 (Mental Hygiene).* 531 Pine Avenue W.

KEITH HUTCHISON, M.D., C.M.
Demonstrator in Oto-Laryngology. 1509 Sherbrooke Street West.

G. EDWARD TREMBLE, M.D., C.M., D.L.O., (R.C.P. & S., Eng.),
 F.R.C.S. (C.).
Demonstrator in Oto-Laryngology. 1390 Sherbrooke Street West

B. F. MACNAUGHTON, M.D., C.M., F.R.C.S. (C.).
Demonstrator in Oto-Laryngology. 1024 Drummond Medical Building

J. R. DEAN, B.A., M.D., C.M. <i>Demonstrator in Histology.</i>	5051 Verdun Ave.
D. H. STARKEY, B.A., M.D., C.M. <i>Demonstrator in Bacteriology.</i>	Pathological Institute.
MARK KAUFMANN, M.D., C.M. <i>Demonstrator in Surgery.</i>	1446 Crescent St.
P. J. KEARNS, M.Sc., M.D., C.M., M.C.O.G. <i>Demonstrator and Clara Law Fellow in Obstetrics and Gynaecology.</i>	Pathological Institute.
H. N. SEGALL, M.D., C.M. <i>Demonstrator in Medicine.</i>	Medical Arts Building.
W. W. EAKIN, M.D., C.M., F.R.C.P. (C.). <i>Demonstrator in Medicine.</i>	1538 Sherbrooke St. W.
NEIL FEENEY, B.A. (Laval), M.D., C.M. <i>Demonstrator in Medicine.</i>	1414 Drummond St.
C. W. FULLERTON, M.D., C.M. <i>Demonstrator in Medicine.</i>	1414 Drummond St.
A. F. FOWLER, M.D., C.M. <i>Demonstrator in Medicine.</i>	3468 Hingston Ave.
W. R. KENNEDY, B.Sc., M.D., C.M. <i>Demonstrator in Medicine.</i>	3456 Harvard Ave.
L. J. ADAMS, M.D., C.M. <i>Demonstrator in Medicine.</i>	1374 Sherbrooke St. W.
J. W. MCKAY, M.D., C.M. <i>Demonstrator in Radiology.</i>	Montreal General Hospital.
B. USHER, B.A., M.D., C.M. <i>Demonstrator in Dermatology.</i>	1538 Sherbrooke St. West.
A. B. HAWTHORNE, B.A., M.D., C.M. <i>Demonstrator in Urology.</i>	Medical Arts Building.
HOWARD DAWSON, B.A., M.D. <i>Demonstrator in Surgery.</i>	1538 Sherbrooke St. W.
S. A. KOMAROV, M.D. (Riga), M.Sc., Ph.D. <i>Research Assistant in Experimental Medicine.</i>	Biological Building.
DOUGLAS TAYLOR, B.A. (Sask.), M.D., C.M. <i>Demonstrator in Medicine.</i>	1390 Sherbrooke St. W.
C. A. MCINTOSH, M.A., M.D., C.M. <i>Demonstrator in Surgery.</i>	1390 Sherbrooke St. W.

RUTH P. DOW, B.A., M.D., C.M., D.P.H. (Toronto).
Demonstrator in Bacteriology and Immunity. Alexandra Hospital.

J. WENDELL MACLEOD, B.Sc., M.D., C.M.
Demonstrator in Medicine. 1390 Sherbrooke St. W.

GEORGE E. REED, M.B. (Toronto).
Demonstrator in Psychiatry. 6635 Lasalle Blvd.

N. W. MCLELLAN, B.A.Sc. (B.C.), M.D., C.M.
Demonstrator in Bacteriology. Pathological Institute.

C. H. SKITCH, B.A., M.D. (Alta.).
Demonstrator in Psychiatry. 6601 Lasalle Blvd.

C. J. TIDMARSH, M.A., M.D., C.M., F.A.C.P., F.R.C.P. (C.).
Demonstrator in Medicine. 1390 Sherbrooke St. W.

A. ROSS, M.C., B.A. (Dalhousie), M.D., C.M.
Demonstrator in Surgery. 655 Cote St. Antoine Rd., Westmount.

J. ROSENBAUM, M.D., C.M., F.A.C.S.
Demonstrator in Ophthalmology. 1396 St. Catherine St. W.

G. A. STUART RAMSEY, B.A., M.D., C.M.
Demonstrator in Ophthalmology. 1496 Mountain St.

A. K. GEDDES, M.D., C.M.
Demonstrator in Paediatrics. 1390 Sherbrooke St. W.

P. G. SILVER, B.Sc., M.D., C.M.
Demonstrator in Surgery. 1414 Drummond St.

J. S. HENRY, M.D., C.M., M.C.O.G.
Demonstrator in Obstetrics and Gynaecology. 1414 Drummond St.

N. W. PHILPOTT, M.D., C.M., M.C.O.G. (Eng.).
Demonstrator in Obstetrics and Gynaecology. 1509 Sherbrooke St. W.

C. V. WARD, B.A. (Bishop's), M.D., C.M., M.C.O.G. (Eng.).
Demonstrator in Obstetrics and Gynaecology. 1374 Sherbrooke St. W.

GORDON A. COPPING, M.D., C.M.
Demonstrator in Medicine. Montreal General Hospital.

FRANCIS MCNAUGHTON, B.A., M.D., C.M.
*Demonstrator in Neurology and Teaching Fellow
 in Anatomy.* Medical Building.

ALAN ROSS, M.D., C.M.
Demonstrator in Paediatrics. 1414 Drummond St.

H. GURTH PRETTY, M.D., C.M.
Demonstrator in Surgery. 1414 Drummond St.

F. A. H. WILKINSON, M.D., C.M., D.A. (R.C.P. & S. Eng.).
Demonstrator in Anæsthesia. Royal Victoria Hospital.

E. WALTER WORKMAN, M.Sc., M.D., C.M.
Demonstrator in Anatomy and Histology. Medical Arts Building.

JOSEPHUS C. LUKE, B.A., M.D., C.M., F.R.C.S. (Eng.).
Demonstrator in Anatomy. 814 Medical Arts Building.

THEODORE C. ERICKSON, M.A., M.D. (Minnesota), M.Sc.
Demonstrator in Neurosurgery. Montreal Neurological Institute.

ROLAND J. VIGER, A.B. (Catholic University, Wash.), M.D., C.M.
Demonstrator in Ophthalmology. 1414 Drummond St.

KENNETH B. JOHNSTON, M.D., C.M.
Demonstrator in Ophthalmology. 1509 Sherbrooke St. W.

FRANK S. DORRANCE, M.D., C.M.
Demonstrator in Anatomy. 5027 Sherbrooke St. W.

G. ALLISON HOLLAND, M.D., C.M.
Demonstrator in Anatomy. 4656 Sherbrooke St. W.

HARRY S. MORTON, B.A., M.Sc., M.B., B.S. (London), F.R.C.S., M.C.O.G. (Eng.).
Demonstrator in Anatomy. 1374 Sherbrooke St. W.

ARTHUR M. VINEBERG, B.Sc., M.D., C.M.
Demonstrator in Anatomy. 1414 Drummond St.

KENNETH T. MACFARLANE, M.D. (Western Ontario).
Assistant Demonstrator in Obstetrics and Gynaecology. 1374 Sherbrooke St. W.

MARGARET E. B. CAMERON, B.A., M.D., C.M.
Assistant Demonstrator in Medicine. Royal Victoria Hospital.

S. J. MARTIN, M.D., C.M., F.R.C.S. (Edin.).
Assistant Demonstrator in Surgery. Suite 7, 1374 Sherbrooke St. W.

J. C. SUTTON, B.A., M.D., C.M.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

A. BRAMLEY-MOORE, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. The Linton, 1509 Sherbrooke St. W.

W. C. GOWDEY, M.D., C.M.
Assistant Demonstrator in Medicine. 4492 Sherbrooke Street, Westmount.

FREDERICK D. ACKMAN, M.D., C.M. <i>Assistant Demonstrator in Surgery.</i>	1374 Sherbrooke St. W.
EDGAR M. COOPER, M.D., C.M. <i>Assistant Demonstrator in Surgery.</i>	1414 Drummond St.
GEORGE D. LITTLE, M.D., C.M. <i>Assistant Demonstrator in Surgery.</i>	1538 Sherbrooke St. W.
S. J. USHER, B.A., M.D., C.M. <i>Assistant Demonstrator in Paediatrics.</i>	1538 Sherbrooke St. W.
DONALD S. MITCHELL, B.Sc., M.D. (Northwestern). <i>Assistant Demonstrator in Dermatology.</i>	1414 Drummond St.
WILLIAM LISTER REID, M.B., B.S. (Adelaide). <i>Assistant Demonstrator in Neurosurgery.</i>	Montreal Neurological Institute.
A. B. HALL, M.D., C.M. <i>Assistant Demonstrator in Medicine.</i>	1414 Drummond St.
F. McIVER SMITH, M.Sc., M.D., C.M. <i>Assistant Demonstrator in Medicine.</i>	Montreal General Hospital.
HOWARD S. MITCHELL, B.A., M.D. (Queen's). <i>Assistant Demonstrator in Medicine.</i>	1414 Drummond St.
P. N. MACDERMOT, M.D., C.M. <i>Assistant Demonstrator in Paediatrics.</i>	1414 Drummond St.
GEORGE Y. MCCLURE, B.S. (Dartmouth), M.D., C.M. <i>Assistant Demonstrator in Neuropathology.</i>	Montreal Neurological Institute.
FRANK E. CORMIA, B.Sc., M.D. (Vt.). <i>Assistant Demonstrator in Dermatology.</i>	2068 Sherbrooke St. W.
HARRY L. BACAL, B.A., M.D., C.M. <i>Assistant Demonstrator in Paediatrics.</i>	1414 Drummond St.
DOUGLAS W. SPARLING, M.D. (Toronto). <i>Assistant Demonstrator in Obstetrics and Gynaecology.</i>	1414 Drummond St.
EDWIN A. STUART, M.A. (N.B.), M.D., C.M., F.R.C.S. (Edin.). <i>Assistant Demonstrator in Otolaryngology.</i>	5175 Sherbrooke St. W.
SAMUEL ORTENBERG, M.D., C.M. <i>Assistant Demonstrator in Medicine.</i>	1538 Sherbrooke St. W.
E. B. BOLDREY, A.M., M.Sc., M.D. (Indiana). <i>Assistant Demonstrator in Neuropathology.</i>	Montreal Neurological Institute.

FELLOWS

J. KERSHMAN, M.Sc., M.D., C.M.

*Research Fellow in the Department of Neurology
and Neurosurgery.* Montreal Neurological Institute.

FRANCIS A. ECHLIN, M.D., C.M.

*Research Fellow in the Department of Neurology
and Neurosurgery.* Montreal Neurological Institute.

J. S. M. ROBERTSON, B.Sc., M.B. (Glasgow), F.R.S.C.

*Fellow in the Department of Neurology
and Neurosurgery.* Montreal Neurological Institute.

WALTER MARTIN NICHOLS, M.B., Ch.B. (Glasgow), F.R.F.P. & S.

*Fellow in the Department of Neurology
and Neurosurgery.* Montreal Neurological Institute.

S. HUMPHREYS, A.B., M.D. (Yale).

*Research Fellow in the Department of Neurology and
Neurosurgery.* Montreal Neurological Institute.

G. ODOM, M.D. (Tulane).

*Research Fellow in the Department of Neurology and
Neurosurgery.* Montreal Neurological Institute.

WILLIAM H. MATHEWS, M.D., C.M.

Teaching Fellow in Bacteriology and Immunity.
Pathological Institute.

WALTER H. JOHNSON, B.Sc. (McGill), Ph.D. (Toronto).

Teaching Fellow in Physiology. Biological Building.

DAVID H. BLACK, B.A. (Rice Institute), M.D., C.M.

Teaching Fellow in the Department of Anatomy.
Medical Building.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1938

1744 James McGill born October 6th (Founder's Day). Died 1813.

1801-02 Royal Institution for the Advancement of Learning contemplated by Provincial Act of Parliament.

1811 Will by James McGill leaving landed estate and £10,000 to Royal Institution for the Advancement of Learning for founding a University.

1818 Royal Institution for the Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.

1821 Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Cornerstone of new Montreal General Hospital laid.

1822-24 Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.

1829 Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.

1831 Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.

1832 Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.

1833 First University degree conferred in Medical Faculty upon W. Logie.

1836-37 Faculty removed to building next to present Bank of Montreal.

1840 Faculty removed to St. George Street.

1842 Arts Building erected on University grounds, where medical lectures were held 1845-51.

1852 Faculty removed to Côté Street.

1855 Sir William Dawson appointed Principal.

1860 Geo. W. Campbell appointed Dean, serving until 1882.

1872 First independent Medical Faculty building on University ground.
Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,000); Leanoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, \$100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000).
Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000).
Joseph Morley Drake Chair of Physiology founded (\$25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000).

1911 Robert Reford endowment of Department of Anatomy (\$10,000).
Arthur A. Browne Memorial Fund for Research established (\$10,000).
Dr. James Douglas research fellowship in Pathology founded (\$25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000).
James Cooper Endowment Fund established for Internal Medicine (\$60,000).

1913 Graduates of the Faculty of Medicine subscribed \$12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.
New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.
Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.
Children's Memorial Hospital affiliated with McGill.

1921 Centenary Celebration.
Friends and Graduates of McGill donated \$4,000,000 to University.
Province of Quebec donated \$1,000,000 to University
Rockefeller Foundation granted \$1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company).
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery (Dean and Mrs. C. F. Martin, \$40,000). Rockefeller Foundation gave \$85,000 for research in Surgery.

1931 New wing added to Children's Memorial Hospital.

1932 Gift of \$1,232,652 from the Rockefeller Foundation for the Department of Neurology and Neurosurgery.

1932 New building of Royal Edward Institute for Tuberculosis opened and affiliated with McGill University.

1933 Montreal Foundling and Baby Hospital taken over by Children's Memorial Hospital.

1935 A. E. Morgan appointed Principal.
Blanche Hutchinson Research Fund received (approximately \$85,000.00).

1936 Dean Martin retired.
Professor Grant Fleming appointed Dean.
Gilman Cheney Chair of Biochemistry established.

1937 Lewis W. Douglas appointed Principal.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. HOLMES, 1854.	HERBERT S. BIRKETT, 1914.
GEO. W. CAMPBELL, 1860.	F. G. FINLEY, 1921.
R. P. HOWARD, 1882.	GEORGE E. ARMSTRONG, 1922.
ROBERT CRAIK, 1889.	C. F. MARTIN, 1923.
GEORGE ROSS (Vice-Dean), 1889.	GRANT FLEMING, 1936.
THOMAS G. RODDICK, 1901.	J. C. SIMPSON (Associate Dean),
FRANCIS J. SHEPHERD, 1908.	1936.

REGISTRARS

JOHN STEPHENSON, 1829.	JAMES STEWART, 1884.
ARCHIBALD HALL, 1842.	R. F. RUTTAN, 1891.
WILLIAM WRIGHT, 1864.	E. M. EBERTS, 1902.
ROBERT CRAIK, 1869.	J. W. SCANE (Assistant Dean, 1920-1922).
WILLIAM OSLER, 1877.	
F. J. SHEPHERD, 1883 (Acting).	

Registrars abolished—1923

SECRETARY

J. C. SIMPSON, 1923.

MEDICINE

<i>Chair of Medicine</i> (Founded 1824)	<i>Chair of Clinical Medicine</i> (Founded 1845)
WILLIAM CALDWELL, 1824.	JAMES CRAWFORD, 1845 and 1852.
WILLIAM ROBERTSON, 1833.	ROBT. L. MACDONNELL, 1849.
ANDREW F. HOLMES, 1842.	STEPHEN C. SEWELL, 1850.
R. P. HOWARD, 1860.	R. P. HOWARD, 1856.
GEORGE ROSS, 1889.	DUNCAN C. MACCALLUM, 1860.
JAMES STEWART, 1893.	JOSEPH M. DRAKE, 1872.
	GEORGE ROSS, 1872.
	RICHARD L. MACDONELL, 1889.
	JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine
(Founded 1907)
(Chair of Medicine since 1923)

F. G. FINLEY, 1907-1924.	J. C. MEAKINS, 1924
H. A. LAFLEUR, 1907-1919.	C. P. HOWARD, 1924-1936.
C. F. MARTIN, 1907-1936.	A. H. GORDON, 1937.
W. F. HAMILTON, 1924-1933.	

SURGERY

<i>Chair of Surgery</i> (Founded 1824)	<i>Chair of Clinical Surgery</i> (Founded 1840)
JOHN STEPHENSON, 1824.	JAMES CRAWFORD, 1845.
G. W. CAMPBELL, 1835.	WILLIAM E. SCOTT, 1852.
GEO. E. FENWICK, 1875.	DUNCAN C. MACCALLUM, 1856.
T. G. RODDICK, 1890.	ROBERT CRAIK, 1860.
	GEORGE E. FENWICK, 1867.
	THOMAS G. RODDICK, 1876.
	JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery

(Founded 1907)

(Chair of Surgery since 1923)

JAMES BELL, 1907-1911.	E. W. ARCHIBALD, 1923-1937.
GEO. E. ARMSTRONG, 1907-1923.	A. T. BAZIN, 1923-1938.
J. A. HUTCHISON, 1913-1923.	E. M. EBERTS, 1929-1938.

OBSTETRICS AND GYNAECOLOGY*Chair of Obstetrics*

(Founded 1824)

WILLIAM ROBERTSON, 1824.

JOHN RACEY, 1833.

GEO. W. CAMPBELL, 1835.

MICHAEL McCULLOCH, 1842.

ARCHIBALD HALL, 1854.

D. C. MACCALLUM, 1868.

ARTHUR A. BROWNE, 1883.

J. CHALMERS CAMERON, 1886.

Chair of Gynaecology

(Founded 1883)

WILLIAM GARDNER, 1883.

W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynaecology

(Founded 1913)

W. W. CHIPMAN, 1913-1929.

J. R. FRASER, 1929.

H. M. LITTLE, 1929-1934.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824.

FRANCIS J. SHEPHERD, 1883.

OLIVER T. BRUNEAU, 1842.

A. C. GEDDES, 1913.

WILLIAM E. SCOTT, 1856.

S. E. WHITNALL, 1919-1934.

C. P. MARTIN, 1936.

CHEMISTRY*Chair of Chemistry*

(Founded 1824)

ANDREW F. HOLMES, 1824.

ROBERT CRAIK, 1867.

ARCHIBALD HALL, 1842.

GILBERT P. GIRDWOOD, 1879.

WILLIAM SUTHERLAND, 1849.

R. F. RUTTAN, 1902-1928.

Chair of Practical Chemistry

(Founded 1872)

GILBERT P. GIRDWOOD, 1872.

R. F. RUTTAN, 1894.

BIOCHEMISTRY*Chair of Biochemistry*

(Founded 1920—endowed 1936)

A. B. MACALLUM, 1920-1928. J. B. COLLIP, 1928.
D. L. THOMSON, 1936.**INSTITUTES OF MEDICINE***Chair of Institute of Medicine*(Founded 1824 and included the Departments of Physiology,
Histology and Pathology)JOHN STEPHENSON, 1824. WILLIAM FRASER, 1849.
STEPHEN C. SEWELL, 1842. JOSEPH M. DRAKE, 1868.
ROBERT L. MACDONNELL, 1845. WILLIAM OSLER, 1874.**PHYSIOLOGY**

(Founded 1824—endowed 1897)

WESLEY MILLS, 1886. JOHN TAIT, 1919.
N. H. ALCOCK, 1911. BORIS P. BABKIN,
G. R. MINES, 1914. (Research Professor), 1928**HISTOLOGY**GEORGE WILKINS, 1883-1907.
J. C. SIMPSON, 1910.**PATHOLOGY**

(Founded 1892—endowed 1893)

J. GEO. ADAMI, 1892.
H. OERTEL, 1919-1938.**PHARMACOLOGY***Chair of Pharmacology and Therapeutics*
(Founded 1824)ANDREW F. HOLMES, 1824. WILLIAM WRIGHT, 1854.
ARCHIBALD HALL, 1835. JAMES STEWART, 1883.
STEPHEN C. SEWELL, 1842. A. D. BLACKADER, 1891.
A. HALL, 1849.*Chair of Pharmacology*H. G. BARBOUR, 1921.
R. L. STEHLE, 1924.**BOTANY**

(Chair founded 1829)

ANDREW F. HOLMES, 1829. JAMES BARNSTON, 1857-58.
DR. PAPINEAU, 1845. D. P. PENHALLOW, 1883-1912.
J. W. DAWSON, 1855-56 and 1858-83. F. E. LLOYD, 1912-1934.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.	DUNCAN C. MACCALLUM, 1860.
FRANCIS BADGEY, 1849.	GEORGE E. FENWICK, 1867.
FRANCIS C. T. ARNOLDI, 1850.	WILLIAM GARDNER, 1875.
WILLIAM E. SCOTT, 1851.	GEORGE WILKINS, 1883.
WILLIAM WRIGHT, 1852.	D. D. MACTAGGART, 1911-1929.
R. PALMER HOWARD, 1854.	

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

GEORGE ROSS, 1871.	R. L. MACDONNELL, 1886.
THOMAS G. RODDICK, 1873.	ROBERT CRAIK, 1889.
ROBERT T. GODFREY, 1875.	WYATT JOHNSTON, 1902.
WILLIAM GARDNER, 1879.	T. A. STARKEY, 1902.
GRANT FLEMING, Professor and Director of the Department of Public Health and Preventive Medicine, 1926.	

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otology

(Founded 1883)

FRANK BULLER, 1883.	
<i>Chair of Laryngology</i>	
	(Founded 1893)
G. W. MAJOR, 1893.	H. S. BIRKETT, 1895.
	<i>Chair of Oto-Laryngology</i>
H. S. BIRKETT, 1895-1931.	E. HAMILTON WHITE, 1931-1933.
	<i>Chair of Ophthalmology</i>
J. W. STIRLING, 1906.	F. T. TOOKE, 1937.
W. G. BYERS, 1923.	

ZOOLOGY

E. W. MACBRIDE, 1902-1910.	ARTHUR WILLEY, 1910-1932.
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HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907-1937.

BACTERIOLOGY

F. C. HARRISON, 1928-1930.	E. G. D. MURRAY, 1930.
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NEUROLOGY AND NEUROSURGERY

(Founded 1932)

W. G. PENFIELD, 1932.

PAEDIATRICS

(Founded 1937)

H. B. CUSHING, 1937.	R. R. STRUTHERS, 1938.
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FACULTY OF MEDICINE

The one hundred and sixth session of the Faculty will open on August 31st, 1938 for students of the first, second and third years, and on September 14th for students of the fourth and fifth years.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry—Two years:—

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 42).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Associate Dean of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Associate Dean of the Faculty an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students entering the first, second and third years of the Faculty of Medicine for the session 1938-39 will register at the Registrar's Office on August 29th and 30th, 1938. Those in other years will register on September 6th to September 13th, 1938. Those who register after August 30th and September 13th, respectively, will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

MEDICAL EXAMINATION

In order to promote as far as possible the physical welfare of the student body, men students of the First and Second Years, and women students of the First and Third Years, in every Faculty, and all students coming to the University for the first time, are required to be medically examined. The hours of such examinations are announced at the beginning of the session. Any student who has failed to comply with this regulation before the 1st of November will be fined \$5.00. Any student who has failed to comply before the 8th of November will be fined an additional \$5.00. Any student who has failed to comply before the 15th of November will be suspended. Re-examinations are held frequently throughout the session for those students who are of low category, or who are suffering from physical disability.

Students of all years, who wish to engage in athletic activities, are also required to be medically examined.

VACCINATION

Provincial and University regulations require that students entering the University must have been successfully vaccinated within the preceding seven years or have proved insusceptible to vaccine within the previous five years. Students should take steps to comply with this regulation before reporting for registration and should bring the necessary medical certificate of vaccination with them.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH

Provision is made by the Department of Physical Education for the care of the health of undergraduates during the session. If a student's admission to hospital is requisitioned for by the Department, but not otherwise, one half of all public ward charges is paid by the University. Should a student desire private accommodation the difference in the cost must be borne by him. Should a student receive treatment by a private practitioner without first having received a requisition form, he must bear all expenses involved.

No student, after having received medical attention as a result of sickness or injury, may resume participation in University athletics until the University Medical Officer declares him fit.

No dental treatment is supplied by the University.

The University is not responsible for damages of any kind resulting from accidents which may occur, and is not responsible for the medical or hospital expenses incurred by any person suffering an accident; if, however, in any such case, a recommendation to that effect is made in

writing by the Department of Physical Education, but not otherwise, the University may pay the whole or such portion of the medical or hospital expenses as is covered by such written recommendation. All cases of athletic injury requiring medical treatment or hospital accommodation must be reported immediately to the Director or the University Medical Officer. In cases of emergency the Royal Victoria Hospital or the Montreal General Hospital accepts cases but these must be reported to the Department of Physical Education as well as to the Athletics Manager within forty-eight hours.

A leaflet and handbook concerning this service and the general work of the Department are distributed at the opening of the session.

FEES

TUITION FEES:

1. Annual undergraduate fee for British students..... \$360.00
By instalments: Each of two instalments..... 182.50
Annual undergraduate fee for Non-British students..... 460.00
By instalments: Each of two instalments..... 232.50
2. Undergraduates repeating a year pay one half the regular tuition fee. This includes dissecting material, chemical reagents, laboratories, etc.
3. Qualified partial students are admitted to one or more courses on payment of special fees.
4. The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students.

SPECIAL UNIVERSITY FEES:

5. Late registration, after August 30th or September 13th..... \$ 5.00
Late registration, after September 6th or 20th..... 10.00
Late payment fee 2.00
Fine for late medical examination (see page 32)..... \$5.00 or 10.00
Supplemental Examinations, each paper 10.00
Receipts for supplementals must be shown to the Dean's Office before the examination.
6. Duplicate graduation diploma 10.00
Certified copy of student's record 1.00
Conferring degree *in absentia* 10.00
Ad eundem fee for students from another university entering any year above the First..... 10.00
6. *Caution Money.* Every student is required to make a deposit of \$10.00 as Caution Money to cover damage done to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

STUDENTS' ACTIVITIES:

7. A sessional fee of \$21.00 is payable by all men undergraduates and \$16.00 by all women undergraduates, for the support of student organizations, for the rinks and tennis courts and for admission to all home games under the control of the Athletics Board.
8. Partial students pay \$3.00 for athletics and athletic grounds. If they desire such of the privileges of Section 7 as are open to them, an additional \$10.50 is charged for men students and \$8.50 for women students.

GENERAL REGULATIONS:

9. Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 1 p.m. and 2.30 p.m. to 4 p.m. on the following dates:—
First, Second and Third year Students—Monday, August 29th to Wednesday, August 31st.
Upper Years—Tuesday, September 6th to Tuesday September 13th.
or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.
10. Students registering late pay their fees at the time of registration failing which they become subject to the provisions of Regulation 9.
11. Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.
12. All fees are payable in Canadian currency.
13. Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

UNIVERSITY LOAN FUND

A Student Loan Fund has been established by the University to assist needy students in all Faculties. Loans are made only to students with good academic standing.

For further particulars students should consult the Dean of the Faculty.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:— 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

I. For Men.

Douglas Hall.

Douglas Hall, the new University residence for men, was opened in September, 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. There is also a limited number of separate study-bedrooms. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc. Application forms may be obtained from the Registrar's Office or from the Warden.

Hall fees, including board and residence:

FACULTY	PER SESSION
Arts and Science, Engineering, and Law.....	\$ 360
Fourth and fifth years of Medicine and third and fourth years of Dentistry	\$ 380
First three years of Medicine and first two years of Dentistry....	\$ 420

One half the fee is payable at the beginning of the session, one quarter on the 10th January, and the balance on the 1st April.

Lodgings.

Residential accommodation is provided for about 60 students in Strathcona Hall, the home of the Student Christian Movement in McGill University. Full particulars may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to Montreal met on arrival and helped to secure lodgings, if due notice is sent of the station and time of arrival.

Before the opening of the session each year a list of Approved Lodgings, which have been inspected by a representative of the University, is issued by the Lodgings Committee. This list, which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, Strathcona Hall, and other University Buildings. The list is not sent by mail.

Board and lodging for men may also be obtained in the Diocesan College, the United Theological College, and the Presbyterian College, which are theological colleges affiliated with the University.

Board is furnished in the McGill Union at low rates.

The cost of board and lodging in approved rooms varies from \$30 to \$60 per month. Separately, good board costs from \$25, and a room from \$12 upwards per month.

II. For Women

(See the General Announcement which may be obtained from the Registrar's office).

2. ESTIMATED ANNUAL EXPENSES

	British	Non-British
Tuition Fees	\$360.00	\$460.00
Fee for Athletics, Union, etc.....	21.00	21.00
Caution Money Deposit.....	10.00	10.00
Board and Lodging.....	300.00	300.00
Books, Instruments, etc.....	154.00	154.00
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	\$845.00	\$945.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

THE NEW REGULATIONS

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine has been reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the last week in May, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, will be post-graduate, so that those who choose to devote it to internship will enter the hospital with all the advantages that accrue from the possession of a medical degree.

On the other hand, those who prefer to enter upon advanced studies along medical lines may register as graduate students in this Faculty or in any medical school approved by it. This provision will, for example, permit graduates to devote the fifth year to study in preparation for a British qualification.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty will issue to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction in the new course is as follows:

First Year:

Anatomy, Histology and Embryology, Physiology.

Second Year:

Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology, Bacteriology, Medicine, Surgery, Obstetrics.

Third Year:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology.

Fourth Year:

Pathology, Bacteriology and Immunology, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

THE OLD REGULATIONS

Students registered in the Faculty of Medicine previous to the session 1936-37 and those entering the fourth or fifth years with advanced standing will continue their course under the old regulations.

A. THE MEDICAL COURSE

The Academic year is divided into three terms of ten weeks and the minimum period of study required for the degree is fifteen terms (five years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

Anatomy.

Histology and Embryology.

Biochemistry.

Physiology.

Pharmacology.

The Clinical Group:

Bacteriology.

Pathology.

Public Health and Preventive Medicine.

Medicine (including Paediatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).

Surgery (including Urology and Orthopaedic Surgery).
Obstetrics and Gynaecology.

Ordinarily, the preclinical subjects occupy two years and the clinical group three years of the course.

In each group the courses offered are of two kinds:

Required Courses covering the ground which is essential to the training of a medical practitioner.

Elective Courses designed to give a broader and deeper training in the major subjects and the specialties.

The required courses are arranged in such a manner that a considerable amount of the student's time is left free for independent study and for elective courses in the pre-clinical and clinical subjects.

The required subjects of each group will ordinarily be taken in a definite sequence but qualified students may be allowed to arrange their schedule in accordance with their interests and previous training.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examinations the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all the required course examinations.

Histology and Embryology: must have satisfactorily completed three terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed five terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least six terms of clinical instruction.

Pathology: must have completed at least six terms of work in the subject.

Public Health: must have completed the course and have taken at least four terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in *Surgery*. The *practical* examination may be taken on completion of nine terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of nine terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology (9th term).
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination in the 3rd and an oral examination at the end of the 4th year. Written examinations in Therapeutics and Psychiatry will be held during the 4th year.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups; in addition to this, there shall be a written examination at the end of the fourth year.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.
- V. Anæsthesia.
- VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
- VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examina-

tion in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee will consider the cases of all students who at the conclusion of their third term are reported by their instructors as having fallen below the grade of C and shall determine whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, will qualify a candidate for the First (Primary) Examination for Fellowship in the Royal College of Surgeons of England and for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students will be graded in five groups, as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing shall be arranged in order of merit; in all other grades the arrangement shall be alphabetical.

The grade assigned to a student shall be based upon the result of the Final Examination, but the instructor will also take into account the record of the work done throughout the course.

The quality of the English used by a candidate will be taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals and prizes open to undergraduate and graduate students in Medicine will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for five full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
3. No one shall be permitted to become a candidate for the degree who shall not have attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires Canadian students to register with the licensing body of their home province before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. E. Laberge, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—C. P. MARTIN

PROFESSOR OF HISTOLOGY AND EMBRYOLOGY:—J. C. SIMPSON

ASSISTANT PROFESSOR OF ANATOMY:—H. D. O'BRIEN

ASSISTANT PROFESSOR OF HISTOLOGY:—H. SELYE

LECTURER IN HISTOLOGY:—A. J. DALTON

SENIOR DEMONSTRATOR IN ANATOMY:—D. S. FORSTER

DEMONSTRATORS IN ANATOMY:—	F. S. DORRANCE G. A. HOLLAND J. C. LUKE H. S. MORTON A. M. VINEBERG E. WORKMAN
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DEMONSTRATORS IN HISTOLOGY:—	J. R. DEAN E. WORKMAN
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TEACHING FELLOWS IN ANATOMY:—	F. L. MCNAUGHTON D. H. BLACK
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ANATOMY

Required Courses

1. Course in Gross Anatomy. First Year.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms.

2. Course in Neuro-Anatomy. Second Year.

Six hours per week lectures and laboratory work in Neuro-Anatomy and the Anatomy of the Special Sense Organs during the Autumn and Winter terms.

3. Course in Applied Anatomy. Third Year.

One hour per week lectures and demonstration during Winter and Spring terms. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins.

Group Classes in Osteology are conducted weekly by the Demonstrators throughout the First Year Course.

Elective Courses

The Department provides, as far as material will permit, facilities for advanced work or revision. The Head of the Department should be consulted by anyone wishing to undertake work of this nature.

4. Course in Physical Anthropology.

Three hours lecture and laboratory per week for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY**Required Courses****5. Histology. First Year.**

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Three hours lectures and six hours laboratory work per week during Autumn and Winter terms.

6. Neuro-histology. Second Year.

In this course the histology of the central nervous system and the special sense organs will be taken up. It will be arranged to correlate with, and form part of, the course in Neuro-Anatomy (Anatomy 2) in the Winter term.

Text-books—Maximow and Bloom, "Histology"; Ranson, "Anatomy of the Nervous System".

Optional Texts—Histology—Cowdry, Lewis and Bremer, Jordan, Bailey, Shaefer; Neuro-histology—Villiger.

EMBRYOLOGY**Required Courses****7. The Study of Human Developmental Anatomy.**

Three hours lecture and laboratory work per week during Winter (2nd half) and Spring terms.

Text-book—Arey, "Developmental Anatomy".

Optional texts—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT

RESEARCH PROFESSOR:—BORIS P. BABKIN

ASSISTANT PROFESSOR:—N. GIBLIN

LECTURERS:—
S. DWORKIN
D. A. ROSS

TEACHING FELLOW:—W. H. JOHNSON

Required Courses

1. First Year Lectures.

Monday, Wednesday, Friday, at 9; from the beginning of September to the end of May.

1A. First Year Laboratory.

Six hours a week, Winter Term.

2. Second Year Lectures.

Tuesday, Thursday, Saturday, at 9. Autumn Term.

2A. Second Year Laboratory (Mammalian).

Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Winston and Bayliss, Human Physiology; Halliburton and McDowall, Handbook of Physiology; Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; Roaf, Textbook of Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; McDowall, Clinical Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

Other Courses

(Available only for students who have obtained Honours in the Required Courses, and by application to the Head of the Department).

3. Advanced Lectures.

3A. Advanced Laboratory.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

GILMAN CHENEY PROFESSOR AND HEAD OF THE DEPARTMENT:—
J. B. COLLIP

PROFESSOR:—D. L. THOMSON

LECTURERS IN PATHOLOGICAL CHEMISTRY:—
 J. S. L. BROWNE
 E. H. MASON
 I. M. RABINOWITCH

LECTURER:—O. F. DENSTEDT

The Department offers, in addition to the required lecture and laboratory course, an elective course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. General Physiological Chemistry:

- (a) Lectures: Monday, Wednesday, Friday at 9.
- (b) Laboratory: Six hours weekly, Monday morning and Thursday afternoon, or Tuesday afternoon and Friday morning.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry". (Macmillan); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

This course is given in the Autumn and Winter terms.

2. Endocrinology:

Lectures: Monday, Friday at 2.

Text-book:—Cameron, "Recent Advances in Endocrinology" (Blakiston).

PATHOLOGY

STRATHCONA PROFESSOR:.....

PROFESSOR:—L. J. RHEA

ASSISTANT PROFESSOR:—T. R. WAUGH

LECTURER AND DOUGLAS FELLOW IN PATHOLOGY:—W. H. CHASE

LECTURER:—J. E. PRITCHARD

LECTURER IN NEUROPATHOLOGY:—W. V. CONE

ASSISTANT DEMONSTRATORS:—

CURATOR OF MUSEUM:—W. H. CHASE

Required Courses

I. DIDACTIC LECTURES.

A1. General Pathology and Pathological Anatomy.

Two lectures (with epidiascope demonstrations) a week.

Autumn Term—Tuesday and Thursday, 4 p.m.

Winter and Spring Terms—Monday and Friday, 4 p.m.

Pathological Institute..... Professor.....

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory, Digestive and Renal Systems.

One lecture with epidiascope demonstrations a week.

Autumn Term—Friday, 4 p.m.

Winter and Spring Terms—Wednesday, 4 p.m.

Pathological Institute..... Professor.....

B2. Diseases of the Blood Forming Organs.

One lecture a week. Autumn Term—Monday, 4 p.m.

Pathological Institute..... Professor Waugh.

B3. Pathological Anatomy of the More Important Ductless Glands.

One lecture a week. Winter Term—Tuesday, 4 p.m.

Pathological Institute Dr. Chase.

B4. Pathological Anatomy of the Nervous System.

One lecture a week. Spring Term—Tuesday, 4 p.m.

Pathological Institute Dr. Cone.

II. PRACTICAL COURSES.

A2. Laboratory Course in General Pathological Anatomy and Histology

(including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.

Winter and Spring Terms—Tuesday and Thursday, 2 p.m.

Pathological Institute, Professor ——, Dr. Chase and Demonstrators.

B5. Laboratory Course in Special Pathological Anatomy and Histology.

Four hours weekly.

Winter and Spring Terms—Monday and Friday, 4 p.m.

Pathological Institute.

Professor Waugh, Dr. Chase and Demonstrators.

B6. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis (including autopsy technique and references to medico-legal practice).

Autumn, Winter and Spring Terms—Saturday morning, 11-12.30.
Pathological Institute..... Professor.....

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.
Pathological Institute..... Dr. Chase and Demonstrators.
Montreal General Hospital..... Professor Rhea and Demonstrators.

Elective Courses

B7. Special Pathological Anatomy of Bones.

Spring Term—Thursday, 4 p.m.
Pathological Institute..... Professor Waugh.

B8. Special Hæmatological Technique.

Lectures and demonstrations on the more important hæmatological methods of examining the blood.
Winter Term—Thursday, 4 p.m.
Pathological Institute..... Professor Waugh.

C2. Methods of Post-Mortem Examination (including the methods of anatomical description and protocoling). For advanced students and physicians preparing for medico-legal practice. Time to be arranged.
Pathological Institute..... Dr. Chase.

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms—Wednesday, 3 p.m.
Pathological Institute..... Professor Waugh.

Reference Books—Oertel, Outlines of Pathology (Renouf); Oertel, Special Pathology of Circulatory, Respiratory, Renal and Digestive Systems (Renouf); Muir, Textbook of Pathology (Arnold); Virchow, Cellular Pathology (transl. by Chance); Cohnheim, Lectures on General Pathology (New Sydenham translation); Wilks and Moxon, Lectures on Pathological Anatomy (Churchill); Coats, Manual of Pathology (Longmans, Green); Virchow, Post Mortem Examinations (transl. by J. P. Smith, Churchill); Coman, Technique of Post Mortem Examination (Renouf).

BACTERIOLOGY AND IMMUNITY

PROFESSOR:—E. G. D. MURRAY

ASSOCIATE PROFESSOR:—FREDERICK SMITH

ASSISTANT PROFESSOR:—T. E. ROY

LECTURER:—C. D. KELLY

DEMONSTRATORS:—

D. H. STARKEY
N. W. McLELLAN
(R. P. Dow

TEACHING FELLOW:—W. H. MATHEWS

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

Course 1. Elementary Medical Bacteriology and Immunity.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

Course 2. Applied Medical Bacteriology and Immunity and the Processes of Infectious Diseases.

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

Course 3. Bacteriology and Immunity for Honours B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Lea & Febiger); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan, Textbook of General Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite :—An aggregate standing of high second class must be obtained in the subjects submitted for the First Year.

The Head of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; Parasitology; Mycology; Pharmacology.

Fourth Year—Bacteriology Course 3.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 3.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

STRATHCONA PROFESSOR AND HEAD OF THE DEPARTMENT :—
GRANT FLEMING

ASSOCIATE PROFESSOR :—R. ST. J. MACDONALD

ASSISTANT PROFESSOR (MENTAL HYGIENE) :—W. T. B. MITCHELL

ASSISTANT PROFESSOR :—FRANK G. PEDLEY

DEMONSTRATOR (MENTAL HYGIENE) :—BARUCH SILVERMAN

DEMONSTRATOR :—R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

In order that the importance of Public Health and Preventive Medicine may be kept before the student, short courses are given in the First and Second Years. These courses are of an introductory nature and, from a historical background, develop the needs and opportunities for preventive medicine and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the in-

dividual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**
Spring term.....Professors Fleming and Mitchell.
2. **Public Health Organization and Administration.** (Including related community services).
Spring term.....Professors Fleming, Macdonald and Dr. Silverman.
3. **Mental Hygiene.**
Autumn term.....Professor Mitchell.
4. **Practice of Preventive Medicine.**
Winter term.....Professors Fleming, Macdonald and Pedley.
5. **Demonstrations.**
Winter term.
6. **Communicable Disease Control.**
Autumn term Professors Fleming and Macdonald.
7. **Health Study of a City or Town.**
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

School Hygiene:—The Fundamentals of School Health, Kerr.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS

ASSISTANT PROFESSOR OF PHARMACOLOGY:—K. I. MELVILLE

LECTURERS IN THERAPEUTICS:—
D. GRANT CAMPBELL
W. DE M. SCRIVER

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE

LECTURER IN PHARMACOLOGY:—A. M. FRASER

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

Required Courses

3. **Pharmacy and Prescription Writing.** Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. **Therapeutics:** Didactic Instruction. A series of 15 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

4a. Therapeutics: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Meyer and Gottlieb, Clark. *Text-book in Therapeutics.* Beckman.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND HEAD OF THE DEPARTMENT:—JONATHAN C. MEAKINS

PROFESSOR:—A. H. GORDON

ASSOCIATE PROFESSORS:— { E. H. MASON
I. M. RABINOWITCH

C. C. BIRCHARD
J. S. L. BROWNE
J. KAUFMANN
D. S. LEWIS
C. F. MOFFATT
LORNE MONTGOMERY
J. B. ROSS

LECTURERS:— { C. R. BOURNE, G. R. BROW,
J. G. BROWNE,
J. R. BYERS, D. G. CAMPBELL,
KEITH GORDON, R. H. M. HARDISTY,
A. T. HENDERSON, J. F. MCINTOSH,
D. W. MCKECHNIE, E. S. MILLS,
W. DE M. SCRIVER

DEMONSTRATORS:— { L. J. ADAMS, GORDON A. COPPING,
W. W. EAKIN, NEIL FEENEY,
A. F. FOWLER, C. W. FULLERTON,
C. R. JOYCE, W. R. KENNEDY,
H. E. MACDERMOT, J. F. MACIVER,
J. WENDELL MACLEOD, J. L. D. MASON,
D. L. MENDEL, E. V. MURPHY,
E. E. ROBBINS, H. N. SEGALL,
COLIN SUTHERLAND, G. D. TAYLOR,
C. J. TIDMARSH, R. VANCE WARD

ASSISTANT DEMONSTRATORS:— { MARGARET E. B. CAMERON,
W. C. GOWDEY, A. R. HALL,
HOWARD S. MITCHELL,
S. ORTENBERG,
F. MCIVER SMITH

PSYCHIATRY

CLINICAL PROFESSOR:—C. A. PORTEOUS

DEMONSTRATORS:— $\left\{ \begin{array}{l} \text{G. E. REED} \\ \text{B. SILVERMAN} \\ \text{C. H. SKITCH} \end{array} \right.$

DERMATOLOGY

CLINICAL PROFESSORS:— $\left\{ \begin{array}{l} \text{P. BURNETT} \\ \text{J. F. BURGESS} \end{array} \right.$ DEMONSTRATORS:— $\left\{ \begin{array}{l} \text{L. P. EREAUX} \\ \text{B. USHER} \\ \text{F. E. CORMIA} \end{array} \right.$

ASSISTANT DEMONSTRATOR:—DONALD S. MITCHELL

CLINICAL THERAPEUTICS

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS

LECTURERS IN THERAPEUTICS:— $\left\{ \begin{array}{l} \text{D. GRANT CAMPBELL} \\ \text{W. DE M. SCRIVER} \end{array} \right.$

LECTURER IN PHYSIO-THERAPY:—NORMAN BROWN

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on Pathological Physiology and general medicine will be given in the autumn, winter, and spring terms, on Monday, Wednesday and Friday mornings, from 9 to 10 o'clock. This course of lectures will cover the field of medicine and will be delivered at the University Medical Building, by Professor Meakins and Assistants.
2. Courses of lectures will be given in Psychiatry and Therapeutics on two afternoons a week during the autumn and winter terms.
3. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Gordon, and Assistants.
4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.
5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.
6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Dr. Kaufman and Assistants.

Professors Meakins, Gordon and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

- (a) Theatre clinics and bedside clinics on neuroses, psychoses and border line cases during the final year at the Royal Victoria and Montreal General Hospitals.
- (b) One period a week during one term will be devoted to clinical demonstrations in Mental Hygiene at the Mental Hygiene Institute.....Professor W. T. B. Mitchell and Assistants.
- (c) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals.....Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. **Physio-Therapy.** Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis and Brown.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies and report on them to his teachers.

Elective Courses

12. **Physio-Therapy (Practical):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease. Dr. Brown.

13. **Therapeutics:** A series of ten evening lectures on certain special aspects of medical treatment will be offered if a sufficient number apply. These lectures will be given by those having a special interest in the various topics, and will be open to students and graduates.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, haematology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

It will be necessary for each student, in addition to taking the required courses, to choose a certain number of elective courses, the number chosen depending upon which elective courses are taken.

Text and Reference Books

Clinical Methods and Physical Diagnosis—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry", Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendening, "Methods of Treatment"; "Pharmacopoeia of the Teaching Hospitals".

Psychiatry—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology—Walker's "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

PROFESSOR:—R. R. STRUTHERS

ASSISTANT PROFESSOR:—S. GRAHAM ROSS

LECTURERS:—{ A. GOLDBLOOM
L. LINDSAY
H. P. WRIGHT

DEMONSTRATORS:—{ A. K. GEDDES
ALAN ROSS
JESSIE BOYD SCRIVER

ASSISTANT DEMONSTRATORS:—{ H. L. BACAL
P. N. MACDERMOT
S. J. USHER

Required Courses

1. **Lecture Course:** A series of thirty clinical lectures on paediatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.
2. **Infectious Diseases:** A series of demonstrations to groups of students on the ordinary infectious diseases is given at the Alexandra Hospital.
3. **Diseases of the New Born**—Royal Victoria Montreal Maternity Pavilion.
4. **Clinical Paediatrics:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including—
 - (a) Normal Infant Feeding and Development—Montreal Foundling and Baby Hospital.
 - (b) General Paediatrics—Children's Memorial Hospital.
 - (c) Infectious Diseases—Alexandra Hospital.

Text-books—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics"; Wright, "Essentials of Infant Feeding and Paediatric Practice"; Goldbloom, "Care of the Child"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books—Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Paediatrics" (8 volumes).

NEUROLOGY AND NEUROSURGERY

PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—WILDER PENFIELD

ASSOCIATE PROFESSOR OF NEUROLOGY:—COLIN RUSSEL

ASSOCIATE PROFESSOR OF NEUROSURGERY:—WILLIAM CONE

CLINICAL PROFESSOR OF NEUROLOGY:—F. H. MACKAY

LECTURERS IN NEUROLOGY:—

Donald McEachern
J. N. Petersen
N. Viner
A. W. Young

LECTURER IN NEUROSURGERY:—A. R. ELVIDGE

LECTURER IN NEUROLOGICAL ROENTGENOLOGY:—A. E. CHILDE

LECTURER IN PAEDIATRIC NEUROLOGY:—H. M. KEITH

LECTURERS IN CLINICAL PSYCHOLOGY:—

Molly Harrower
Donald Hebb

DEMONSTRATOR IN NEUROSURGERY:—T. C. ERICKSON

DEMONSTRATOR IN NEUROLOGY:—FRANCIS McNAUGHTON

ASSISTANT DEMONSTRATOR IN NEUROSURGERY:—W. L. REID

ASSISTANT DEMONSTRATORS IN NEUROPATHOLOGY:—

E. B. Boldrey
G. Y. McClure

RESEARCH FELLOWS:—

F. Echlin
S. Humphreys
J. Kershman
W. Nichols
G. Odom
J. Robertson

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine and Surgery in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).
Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, Elvidge, McEachern, Childe, Keith, McNaughton and Erickson

SURGERY

PROFESSOR OF UROLOGY AND HEAD OF THE DEPARTMENT OF SURGERY:—
F. S. PATCH

ASSOCIATE PROFESSOR:—F. E. MCKENTY

ASSISTANT PROFESSORS:—{ C. K. P. HENRY
F. B. GURD

LECTURERS:—{ J. A. ARMOUR
H. M. ELDER
R. R. FITZGERALD
G. A. FLEET
GUY JOHNSON
G. GAVIN MILLER
DUDLEY ROSS
F. J. TEES
A. L. WILKIE

DEMONSTRATORS:—{ E. B. CHANDLER, HOWARD DAWSON,
MARK KAUFMANN, C. A. MCINTOSH,
L. H. MCKIM, H. G. PRETTY,
ALBERT ROSS, P. E. SILVER, A. STEWART

ASSISTANT DEMONSTRATORS:—{ F. D. ACKMAN, E. M. COOPER,
G. D. LITTLE, S. J. MARTIN,
J. C. SUTTON

UROLOGY

CLINICAL PROFESSOR:—D. W. MACKENZIE

LECTURER:—R. E. POWELL

DEMONSTRATORS:—{ A. B. HAWTHORNE
M. SENG

ORTHOPAEDIC SURGERY

CLINICAL PROFESSORS:—{ J. A. NUTTER
W. G. TURNER

LECTURERS:—{ W. J. PATTERSON
N. F. WILLIAMSON

ANÆSTHESIA

LECTURER:—C. C. STEWART

DEMONSTRATORS:—{ F. A. H. WILKINSON
J. W. ARMSTRONG

RADIOLOGY

LECTURERS:—{ E. C. BROOKS
W. L. RITCHIE

Instruction in Surgery and in the surgical specialties is imparted in the form of didactic lectures, theatre clinics and demonstrations and group teaching in the wards and out-patient departments.

Under the new curriculum, initiated in the Autumn of 1936, the students of the *Second Year* will receive instruction in Surgery in the Spring term (16 weeks).

This instruction will consist of :—

Didactic Lectures of an introductory type. Amphitheatre clinics to cover systematically important fractures and dislocations.

Group Clinics and demonstrations in the hospitals to cover case history taking and methods of physical examination.

In the *Third* and *Fourth Years* emphasis is placed upon clinical instruction in the hospitals.

Amphitheatre clinics, twice weekly, displace, in whole or in part, the didactic lecture.

Special stress is placed upon bedside and out-patient teaching, the students being divided into small groups of eight to ten receiving a type of tutorial instruction from individual teachers.

In these clinical years the students are assigned to patients in rotation, and they act as dressers and reporters in the wards and out-patient department.

Under this system the student is responsible for physical and laboratory examinations of the patient and as assistant at any operation performed.

Clinico-pathological Conferences are held weekly and conducted jointly by the clinicians and pathologists. They are attended by the groups of students in the clinical years.

A course of *Applied Anatomy* is conducted jointly by the Departments of Anatomy and Surgery, the teachers being derived from the surgical staff.

Instruction in *Anaesthesia* is given in the Department of Pharmacology, while practical instruction in the administration of anaesthetics is given in the hospitals to students of the two clinical years.

Under the "old" curriculum, which will terminate with the session 1939-40, the plan of instruction is similar, but the introduction to Surgery is in the *Third Year*.

The course is planned to lead the student by rapid stages through an elementary introductory course to personal contact with patients and clinical instruction in the more complicated and abstruse problems of diagnosis and treatment.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener.

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy." Treves, "Surgical Applied Anatomy."

4. *Fractures*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations."

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology*: Keyes' Urology, Mackenzie, "Surgery of the Bladder" (Oxford Press).

Collateral Reading: Hinman, The Principles and Practice of Urology; Cabot, Modern Urology; Lewis, System of Surgery, vols. 8-9; Eisen-drath and Rolnick, Urology; Young, Urology; Stokes, Modern Clinic Syphilology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Tubby and Jones, "Surgery of Paralysis"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery."

8. *Röntgenology*: Harrison, "Textbook of Röntgenology" (Ward).

OBSTETRICS AND GYNAECOLOGY

PROFESSOR AND HEAD OF THE DEPARTMENT:—J. R. FRASER

CLINICAL PROFESSORS:—

H. C. BURGESS
J. W. DUNCAN
J. R. GOODALL

ASSISTANT PROFESSORS:—

W. A. G. BAULD
A. D. CAMPBELL

LECTURERS:—

G. C. MELHADO
IVAN PATRICK

DEMONSTRATORS:—

DOUGLAS GURD
J. STEWART HENRY
ELEANOR PERCIVAL
N. W. PHILPOTT
C. V. WARD

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS

ASSISTANT DEMONSTRATORS:—

K. T. MACFARLANE
D. W. SPARLING

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of delivery till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

OBSTETRICS

Required Courses

1. An introductory course of thirty lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
Medical Building. Three times a week—Spring Term.

Professor Fraser.

2. **Clinical instruction** during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department.

Autumn, Winter and Spring Terms.

3. **Special courses in obstetrical palpation** and on the manikin daily throughout the session with the aid of models, diagrams and lantern slides.

Autumn, Winter and Spring Terms.

4. **Clinical Conferences** thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—

A. Normal Labour	Dr. Melhado.
B. Puerperal Infection	Dr. A. D. Campbell.
C. Hæmorrhages of Pregnancy. Labour and the Puerperium.	Professor Duncan.
D. Toxæmia of Pregnancy	Professor Goodall.
E. Dystocia	Professor Burgess.

7. **Care of the New-born.** Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. **The Staff Conference** held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.....Professor Fraser, Dr. Campbell and Staff.

2. A special course on Gynæcological Pathology.....Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.....Dr. Bauld and Staff.

Text and Reference Books

Obstetrics

(1). De Lee	Principles and Practice of Obstetrics.
(2). Stander	Text book on Obstetrics.
(3). Ten Teachers	Midwifery.
(4). Harper	Clinical Obstetrics.
(5). Bourne	Synopsis of Midwifery and Gynæcology.
(6). Johnson, R. W.	Text book of Midwifery.
(7). Bland	Practice of Obstetrics.
(8). Miller, J.	Manual of Obstetrics.
(9). Appleton	Obstetrical and Gynæcological Monographs.
(10). Peterson	Demonstration Course in Obstetrics.
(11). Irving	Text book on Obstetrics.

Gynæcology

(1). Graves	Text book of Gynæcology.
(2). Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3). Ten Teachers	Diseases of Women.
(4). Monroe Kerr	Gynæcology.
(5). Blair Bell	Principles of Gynæcology.
(6). Kelly, Howard	Text book of Gynæcology.
(7). Goodall	Puerperal Infection.
(8). Crossen	Gynæcology.

OPHTHALMOLOGY

PROFESSOR:—F. T. TOOKE

CLINICAL PROFESSOR:—S. H. MCKEE

LECTURER:—J. A. MACMILLAN

DEMONSTRATORS:—

K. B. JOHNSTON
STUART RAMSEY
J. ROSENBAUM
R. J. VIGER

ASSISTANT DEMONSTRATOR:—A. BRAMLEY-MOORE

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor Tooke and members of the Staff.

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Final Year.

Ten Hours..... Professor Tooke.

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professors Tooke, McKee and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

ASSISTANT PROFESSORS :— { D. H. BALLON
G. E. HODGE

LECTURERS :— { W. J. McNALLY
R. P. WRIGHT

DEMONSTRATORS :— { K. O. HUTCHISON
B. F. MACNAUGHTON
G. E. TREMBLE

ASSISTANT DEMONSTRATOR :— E. A. STUART

Instruction in Oto-Laryngology is given to students of the third, fourth and fifth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Third Year:

An introductory course of five demonstrations is given to students of the third year. These demonstrations deal with the normal anatomy of the ear, nose, throat, and with methods of examination. An opportunity is also afforded of studying roentgenograms of normal and pathological nasal accessory sinuses and mastoids.

Fourth Year:

Five practical demonstrations are given on the common pathological conditions of the ear, nose, and throat.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

Fifth Year:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books :—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. **Special graduate work** is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the head of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course of lectures dealing in a comprehensive manner with the general principles of public health and preventive medicine.

(b) Bacteriology—a full practical course in general bacteriology, with special application to public health.

(c) (1) *Sanitary Chemistry*. Examination of air, water and water supplies in general, the commoner foods and beverages, sewage and sewage effluents, etc.; chemical investigations connected with trades and occupations; (2) *Physics*. General principles only in their application to hygiene.

(d) Practical public health work. An extended course under a M.O.H., affording facilities for instruction in public health relating to housing, factories, work-shops and industrial establishments, schools, waterworks, sewage plants, refuse distribution, abattoirs, dairies and milk stations, welfare centres, etc.

(e) Public health legislation and administration. Statutes and by-laws relating to public health and the powers of health authorities; administration of the office of a Medical Officer of Health.

(f) Vital statistics. Calculation and tabulations of returns of births, marriages and deaths and diseases.

(g) Meteorology and climatology; geographical and topographical distribution of disease.

Candidates for this diploma may claim exemption in any of the above subjects on presentation of adequate certificates.

Qualification for the diploma includes a knowledge of communicable diseases, of child hygiene and mental hygiene, the use of meteorological, hygienic and sanitary apparatus.

The successful candidate must further know the appearance of healthy and diseased tissues of animals, and their microscopic examination.

Finally, he must show a capacity to formulate a report on public health conditions in an actual locality and make annual and other reports as required by Officers of Health.

These examinations are written, oral and practical.

The fee for the course is \$150.00 for British Subjects and \$200.00 for non-British Subjects.

4. Special Courses in Public Health. Graduates desiring instruction in any special branch of Public Health and Preventive Medicine, such as School Health Services and Industrial Hygiene, should apply to the Head of the Department. Courses will be arranged, suitable for the applicants, in order that they may receive full benefit from the time devoted to the course.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of \$460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

- Royal Victoria Hospital.
- Montreal General Hospital.
- Children's Memorial Hospital.
- Foundling Division, Children's Memorial Hospital.
- Alexandra Hospital for Infectious Diseases.
- Verdun Protestant Hospital.
- Royal Edward Institute.
- The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University building, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1937 it cared for 14,401 cases, while in its outdoor department 72,982 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 176 post-mortems.

The number of resident physicians is 45.

The Royal Victoria-Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1937 the obstetrical service cared for 1,694 confinements in the Hospital and 197 in the Out-patient Service, a total of 1,891. In the gynaecological section, 1,597 cases were admitted during the year.

There are nine resident physicians.

The Montreal General Hospital, Central and Western Divisions, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1937 there were 11,571 admissions, giving a total of 188,869 patient days. The number of patients' visits to the Outpatient Department of both Divisions totals 189,114. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 343 autopsies performed which represents 83% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1937 was 24,527.

The Children's Memorial Hospital has 300 public beds, and, in 1937, admitted 3,639 patients. The attendance at its out-door department totalled over 26,292 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 108 autopsies during the year, which represents 90.7% of all deaths.

The number of resident physicians is 13.

A short post-graduate course lasting one week is offered during the month of September, before the beginning of the regular session, when clinics, lectures and demonstrations on the more important phases of paediatrics are given.

The Montreal Foundling and Baby Hospital has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1937, 1,278 patients were admitted to the hospital. There were 22 autopsies.

The number of resident physicians is 4.

The Verdun Protestant Hospital has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students, the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—R. L. STEHLE

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 50,000 volumes, as well as eight sections of unbound material in cases, such as hospital reports, university calendars, government publications and theses, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at

the Library. The Library is also very rich in ophthalmological material, largely through the interest of Dr. Casey A. Wood, who not only has given his private collection, but has continued each year to send many valuable books and periodicals. Through his generosity, in a short time, the Library will have one of the most complete ophthalmological periodical collections on this continent.

The journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 6 p.m., and 7.30 to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give

advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussions. Each year an Honorary President has been elected from this older group.

McGill University has been greatly enriched by the gift of the Osler Library, bequeathed by Sir William. Members of the Society are fortunate in having ready access to this unique source of original material, comprising as it does a rare and valuable collection of some 9,000 volumes and pamphlets devoted to the history of science and medicine from the time of Hippocrates.

McGILL UNIVERSITY
MONTREAL



ANNOUNCEMENT
OF THE
FACULTY OF MEDICINE

1939-1940

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CALENDAR OF THE FACULTY OF MEDICINE
FOR THE SESSION 1939-40

1939

Tues., Sept. 5th Registration of students in first four years of Medicine.

Wed., Sept. 6th Autumn Term for students in first four years of Medicine begins.

Mon., Sept. 11th
Tues., Sept. 12th } Register opens for students in Fifth Year Medicine.

Wed., Sept. 13th Autumn Term for students in Fifth Year Medicine begins.

Wed., Oct. 4th Register closes for the session.

Fri., Oct. 6th Founder's Day. Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

Fri., Oct. 12th Intercollegiate Sports Day. No lectures.

Sat., Nov. 11th Remembrance Day. No lectures.

Wed., Dec. 20th Last day of lectures before Christmas.

1940

Thurs., Jan. 4th Lectures resumed.

Fri., Mar. 22nd
Mon., Mar. 25th } to (inclusive) Easter vacation.

Tues., May 7th Spring Term ends for students in Fifth Year Medicine.

Thurs., May 9th Examinations begin in Fifth Year Medicine.

Thurs., May 30th Convocation.

Sat., June 1st Third Term ends for students in first three years of Medicine.

Mon., June 3rd Examinations begin for students in the first three years of Medicine.

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*Demonstrator in Public Health and Preventive Medicine and
Demonstrator in Medicine.* 561 Côte St. Catherine Road.

BARUCH SILVERMAN, M.D., C.M.
*Demonstrator in Public Health and Preventive Medicine
(Mental Hygiene).* 531 Pine Avenue W.

KEITH HUTCHISON, M.D., C.M.
Demonstrator in Oto-Laryngology. 1509 Sherbrooke Street West.

G. EDWARD TREMBLE, M.D., C.M., D.L.O., (R.C.P. & S., Eng.),
F.R.C.S. (C.).
Demonstrator in Oto-Laryngology. 1390 Sherbrooke Street West

B. F. MACNAUGHTON, M.D., C.M., F.R.C.S. (C.).
Demonstrator in Oto-Laryngology. 1024 Drummond Medical Building

J. R. DEAN, B.A., M.D., C.M.
Demonstrator in Histology. 5051 Verdun Ave.

D. H. STARKEY, B.A., M.D., C.M.
Demonstrator in Bacteriology. Pathological Institute.

P. J. KEARNS, M.Sc., M.D., C.M., M.C.O.G.
*Demonstrator and Clara Law Fellow in
Obstetrics and Gynaecology.* Pathological Institute.

H. N. SEGALL, M.D., C.M.
Demonstrator in Medicine. Medical Arts Building.

W. W. EAKIN, M.D., C.M., F.R.C.P. (C.).
Demonstrator in Medicine. 1538 Sherbrooke St. W.

NEIL FEENEY, B.A. (Laval), M.D., C.M.
Demonstrator in Medicine. 1414 Drummond St.

C. W. FULLERTON, M.D., C.M.
Demonstrator in Medicine. 1414 Drummond St.

A. F. FOWLER, M.D., C.M.
Demonstrator in Medicine. 3468 Hingston Ave.

W. R. KENNEDY, B.Sc., M.D., C.M.
Demonstrator in Medicine. 3456 Harvard Ave.

L. J. ADAMS, M.D., C.M.
Demonstrator in Medicine. 1374 Sherbrooke St. W.

J. W. MCKAY, M.D., C.M.
Demonstrator in Radiology. Montreal General Hospital.

B. USHER, B.A., M.D., C.M.
Demonstrator in Dermatology. 1538 Sherbrooke St. West.

A. B. HAWTHORNE, B.A., M.D., C.M.
Demonstrator in Urology. Medical Arts Building.

DOUGLAS TAYLOR, B.A. (Sask.), M.D., C.M.
Demonstrator in Medicine. 1390 Sherbrooke St. W.

RUTH P. DOW, B.A., M.D., C.M., D.P.H. (Toronto).
Demonstrator in Bacteriology and Immunity. Alexandra Hospital.

J. WENDELL MACLEOD, B.Sc., M.D., C.M.
Demonstrator in Medicine. 1390 Sherbrooke St. W.

GEORGE E. REED, M.B. (Toronto).
Demonstrator in Psychiatry. 6635 Lasalle Blvd.

N. W. MCLELLAN, B.A.Sc. (B.C.), M.D., C.M.
Demonstrator in Bacteriology. Pathological Institute.

C. H. SKITCH, B.A., M.D. (Alta.).
Demonstrator in Psychiatry. 6601 Lasalle Blvd.

C. J. TIDMARSH, M.A., M.D., C.M., F.A.C.P., F.R.C.P. (C.).
Demonstrator in Medicine. 1390 Sherbrooke St. W.

A. ROSS, M.C., B.A. (Dalhousie), M.D., C.M.
Demonstrator in Surgery. 655 Cote St. Antoine Rd., Westmount.

J. ROSENBAUM, M.D., C.M., F.A.C.S.
Demonstrator in Ophthalmology. 1396 St. Catherine St. W.

G. A. STUART RAMSEY, B.A., M.D., C.M.
Demonstrator in Ophthalmology. 1496 Mountain St.

P. G. ROWE, B.Sc., M.D., C.M.
Demonstrator in Surgery. 1414 Drummond St.

J. S. HENRY, M.D., C.M., M.C.O.G.
Demonstrator in Obstetrics and Gynæcology. 1414 Drummond St.

N. W. PHILPOTT, M.D., C.M., M.C.O.G. (Eng.).
Demonstrator in Obstetrics and Gynæcology. 1509 Sherbrooke St. W.

C. V. WARD, B.A. (Bishop's), M.D., C.M., M.C.O.G. (Eng.).
Demonstrator in Obstetrics and Gynæcology. 1374 Sherbrooke St. W.

GORDON A. COPPING, M.D., C.M.
Demonstrator in Medicine. Montreal General Hospital.

H. GURTH PRETTY, M.D., C.M.
Demonstrator in Surgery. 1414 Drummond St.

E. WALTER WORKMAN, M.Sc., M.D., C.M.
Demonstrator in Anatomy and Histology. Medical Arts Building.

JOSEPHUS C. LUKE, B.A., M.D., C.M., F.R.C.S. (Eng.).
Demonstrator in Surgery and Anatomy. 814 Medical Arts Building.

THEODORE C. ERICKSON, M.A., M.D. (Minnesota), M.Sc.
Demonstrator in Neurosurgery. Montreal Neurological Institute.

ROLAND J. VIGER, A.B. (Catholic University, Wash.), M.D., C.M.
Demonstrator in Ophthalmology. 1414 Drummond St.

KENNETH B. JOHNSTON, M.D., C.M.
Demonstrator in Ophthalmology. 1509 Sherbrooke St. W.

FRANK S. DORRANCE, M.D., C.M.
Demonstrator in Anatomy. 5027 Sherbrooke St. W.

G. ALLISON HOLLAND, M.D., C.M.
Demonstrator in Anatomy. 4656 Sherbrooke St. W.

HARRY S. MORTON, B.A., M.Sc., M.B., B.S. (London), F.R.C.S., M.C.O.G. (Eng.).
Demonstrator in Surgery and Anatomy. 1374 Sherbrooke St. W.

ARTHUR M. VINEBERG, B.Sc., M.D., C.M.
Demonstrator in Anatomy. 1414 Drummond St.

EDGAR M. COOPER, M.D., C.M.
Demonstrator in Surgery. 1414 Drummond St.

STEWART G. BAXTER, M.D., C.M.
Demonstrator in Surgery. 1538 Sherbrooke St. W.

S. J. MARTIN, M.D., C.M., F.R.C.S. (Edin.).
Demonstrator in Surgery. Suite 7, 1374 Sherbrooke St. W.

H. F. MOSELEY, D.M., M.Ch. (Oxon), F.R.C.S. (Eng.).
Demonstrator in Surgery. 1390 Sherbrooke St. W.

S. J. USHER, B.A., M.D., C.M.
Demonstrator in Paediatrics. 1538 Sherbrooke St. W.

P. N. MACDERMOT, M.D., C.M.
Demonstrator in Paediatrics. 1414 Drummond St.

A. M. TANNEY, M.D., C.M.
Demonstrator in Urology. 1486 Crescent St.

T. W. DANCEY, B.A., M.D., C.M.
Demonstrator in Psychiatry. Verdun Protestant Hospital.

A. A. MCKAY, M.D., C.M.
Demonstrator in Psychiatry. 1227 Sherbrooke St. W.

L. P. DEMERS, M.D. (U of M),
Demonstrator in Bacteriology. Pathological Institute.

MABEL F. HOWIE, B.Sc., M.D. C.M.
Demonstrator in Bacteriology. Pathological Institute.

JOHN KERSHMAN, M.Sc., M.D., C.M.
Demonstrator in Neurology. Montreal Neurological Institute.

H. DAVIS CHIPPS, M.D. (Louisville).
Demonstrator in Pathology. Pathological Institute.

KENNETH T. MACFARLANE, M.D. (Western Ontario).
Assistant Demonstrator in Obstetrics and Gynaecology. 1374 Sherbrooke St. W.

MARGARET E. B. CAMERON, B.A., M.D., C.M.
Assistant Demonstrator in Medicine. Royal Victoria Hospital.

J. C. SUTTON, B.A., M.D., C.M.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

A. BRAMLEY-MOORE, B.A., M.D., C.M.
Assistant Demonstrator in Ophthalmology. The Linton, 1509 Sherbrooke St. W.

FREDERICK D. ACKMAN, M.D., C.M.
Assistant Demonstrator in Surgery. 1374 Sherbrooke St. W.

GEORGE D. LITTLE, M.D., C.M.
Assistant Demonstrator in Surgery. 1538 Sherbrooke St. W.

DONALD S. MITCHELL, B.Sc., M.D. (Northwestern).
Assistant Demonstrator in Dermatology. 1414 Drummond St.

A. B. HALL, M.D., C.M.
Assistant Demonstrator in Medicine. 1414 Drummond St.

F. McIVER SMITH, M.Sc., M.D., C.M.
Assistant Demonstrator in Medicine. Montreal General Hospital.

HOWARD S. MITCHELL, B.A., M.D. (Queen's).
Assistant Demonstrator in Medicine. 1414 Drummond St.

FRANK E. CORMIA, B.Sc., M.D. (Vt.).
Assistant Demonstrator in Dermatology.
2068 Sherbrooke St. W.

HARRY L. BACAL, B.A., M.D., C.M.
Assistant Demonstrator in Paediatrics. 1414 Drummond St.

DOUGLAS W. SPARLING, M.D. (Toronto).
Assistant Demonstrator in Obstetrics and Gynaecology.
1414 Drummond St.

EDWIN A. STUART, M.A. (N.B.), M.D., C.M., F.R.C.S. (Edin.).
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5175 Sherbrooke St. W.

SAMUEL ORTENBERG, M.D., C.M.
Assistant Demonstrator in Medicine. 1538 Sherbrooke St. W.

ROBERT PUDENZ, M.D. (Duke).
Assistant Demonstrator in Neuropathology.
Montreal Neurological Institute.

FRANCIS A. ECHLIN, M.D., C.M.
*Assistant Demonstrator in Neurosurgery and Fellow in the
Department of Neurology and Neurosurgery.*
Montreal Neurological Institute.

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Assistant Demonstrator in Orthopaedic Surgery.
1414 Drummond St.

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Assistant Demonstrator in Orthopaedic Surgery.
1374 Sherbrooke St. W.

R. G. REID, M.D., C.M.
Assistant Demonstrator in Urology. 1480 Bishop St.

JOHN DAVID STENSTROM, M.D., C.M.
Assistant Demonstrator in Pathology.
Montreal General Hospital.

EDWARD S. MURRAY, B.A. (Col.), M.D. (Iowa).
Assistant Demonstrator in Pathology.
Montreal General Hospital.

FRANK P. FLOOD, B.A., M.D., C.M.
Assistant Demonstrator in Pathology.
Pathological Institute.

ALAN W. GRAY, M.D., C.M.

Assistant Demonstrator in Pathology.

Pathological Institute.

GERALD C. WALKER, M.D. (Queens).

Assistant Demonstrator in Pathology.

Pathological Institute.

FELLOWS

S. HUMPHREYS, A.B., M.D. (Yale).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

WALTER H. JOHNSON, B.Sc. (McGill), Ph.D. (Toronto).

Teaching Fellow in Physiology.

Biological Building.

FERGUS D. JOHNSTON, B.A., M.D. (Alberta), M.C.O.G.

A. A. Browne Fellow in Obstetrics and Gynaecology.

Royal Victoria Hospital.

WILLIAM R. FOOTE, B.A. (B.C.), M.D., C.M.

Teaching Fellow in Obstetrics and Gynaecology.

Royal Victoria Hospital.

WILLIAM STEWART, B.S., M.D. (Oklahoma).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

JOHN McCARTER, M.D. (Wisconsin).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

YI-CHANG CHAO, B.S., M.D. (Peiping).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

PRADOS Y SUCH, M.D. (Madrid).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

WARREN BROWN, M.D. (Texas).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

MERVYN GRIFFITHS, M.Sc. (Sydney).

Research Fellow in Neurology and Neurosurgery.

Montreal Neurological Institute.

HISTORICAL SUMMARY

(Faculty of Medicine)

1821-1938

1744 James McGill born October 6th (Founder's Day). Died 1813.

1801-02 Royal Institution for the Advancement of Learning contemplated by Provincial Act of Parliament.

1811 Will by James McGill leaving landed estate and £10,000 to Royal Institution for the Advancement of Learning for founding a University.

1818 Royal Institution for the Advancement of Learning incorporated. Montreal General Hospital opened on original site on St. Lawrence Street.

1821 Royal Charter granted to the Royal Institution for the Advancement of Learning for the foundation of McGill College. Cornerstone of new Montreal General Hospital laid.

1822-24 Montreal Medical Institution organized as a Medical School by Officers of Montreal General Hospital. At opening lecture at No. 20 St. James Street on October 28, 1824, there were four teachers and twenty-five students.

1829 Estate of James McGill surrendered by residuary legatee. First meeting of Governors at Burnside House. Montreal Medical Institution "engrafted upon" McGill University as its Medical Faculty. First session of Faculty of Medicine.

1831 Medical Faculty petitioned Legislature for permission to grant degrees, and framed statutes to fulfil conditions of charter for same by order of Solicitor-General.

1832 Statutes approved and permission to confer degrees granted to Medical Faculty, and Professorships granted by Crown to Drs. Holmes, Caldwell, Robertson and Stephenson.

1833 First University degree conferred in Medical Faculty upon W. Logie.

1836-37 Faculty removed to building next to present Bank of Montreal.

1840 Faculty removed to St. George Street.

1842 Arts Building erected on University grounds, where medical lectures were held 1845-51.

1852 Faculty removed to Côté Street.

1855 Sir William Dawson appointed Principal.

1860 Geo. W. Campbell appointed Dean, serving until 1882.

1872 First independent Medical Faculty building on University ground.
Graduation of William Osler.

1882 Geo. W. Campbell Memorial Fund for Medical Faculty (\$50,000); Leanchoil Endowment Fund for Medical Faculty (Lord Strathcona, \$50,000).
R. P. Howard appointed Dean.

1885 New laboratories erected in Medical Building (Lord Strathcona, \$100,000).

1889 Robert Craik appointed Dean—George Ross, Vice-Dean.

1893 Pathological Laboratory erected (John H. R. Molson, \$60,000); Chairs of Hygiene and of Pathology endowed (Lord Strathcona, \$100,000).
Mrs. Mary Dow Endowment Fund presented to Medical Faculty (\$10,000).

1894 Royal Victoria Hospital opened (Lord Mount-Stephen and Lord Strathcona).

1895 Sir William Peterson appointed Principal.

1898-01 Medical Faculty Building reconstructed and enlarged with new laboratories, etc. (Lord Strathcona, \$100,000).
Joseph Morley Drake Chair of Physiology founded (\$25,000).

1901 Thomas G. Roddick appointed Dean.

1906 Alexandra Hospital for Infectious Diseases opened.

1907 Medical Building partly destroyed by fire.

1908 F. J. Shepherd appointed Dean.

1909-11 New Medical Building (as at present) erected. (Lord Strathcona, \$450,000).

1911 Robert Reford endowment of Department of Anatomy (\$10,000).
Arthur A. Browne Memorial Fund for Research established (\$10,000).
Dr. James Douglas research fellowship in Pathology founded (\$25,000).

1912 Eddie Morrice Laboratory of Pharmacology opened (D. Morrice, \$14,000).
James Cooper Endowment Fund established for Internal Medicine (\$60,000).

1913 Graduates of the Faculty of Medicine subscribed \$12,566 to meet fire loss.

1914 H. S. Birkett appointed Dean.
No. 3 (McGill) General Hospital organized for Overseas service.
New Foundling Hospital opened.

1916 Ross Memorial Pavilion (J. K. L. Ross), opened by H.R.H. Duke of Connaught.

1917 Geo. Ross Endowment Fund for Medical Faculty presented.

1919 Sir William Macdonald bequeathed \$500,000 to Medical Faculty.
Faculty of Dentistry established. Osler Library (of the history of medicine and science) bequeathed to the Faculty of Medicine by Sir William Osler.

1920 Sir Arthur Currie appointed Principal.
Dr. J. W. Scane appointed Assistant Dean.
Children's Memorial Hospital affiliated with McGill.

1921 Centenary Celebration.
Friends and Graduates of McGill donated \$4,000,000 to University.
Province of Quebec donated \$1,000,000 to University.
Rockefeller Foundation granted \$1,000,000 to Medical Faculty.
F. G. Finley appointed Dean.

1922 Laboratories for Biological Sciences opened.
Geo. E. Armstrong appointed Dean.
New Outpatient Department erected at Royal Victoria Hospital.

1923 Pathological Institute erected.
C. F. Martin appointed Dean.

1924 Rockefeller Foundation gave \$500,000 to Medical Faculty to establish University Clinic in Department of Medicine at Royal Victoria Hospital.
Amalgamation of Western Hospital with the Montreal General Hospital.

1925 Erection of Royal Victoria-Montreal Maternity Pavilion.
Roddick Memorial Gates opened.

1926 Closing of old Montreal Maternity Hospital.

1927 Sub-department of Industrial Medicine formed, with Industrial Clinic at the Montreal General Hospital. (Grant of \$25,000 from Metropolitan Life Insurance Company).
Inter-Hospital Commission formed for purposes of administration.

1929 Opening of new laboratory building for Experimental Surgery (Dean and Mrs. C. F. Martin, \$40,000). Rockefeller Foundation gave \$85,000 for research in Surgery.

1931 New wing added to Children's Memorial Hospital.

1932 Gift of \$1,232,652 from the Rockefeller Foundation for the Department of Neurology and Neurosurgery.

1932 New building of Royal Edward Institute for Tuberculosis opened and affiliated with McGill University.

1933 Montreal Foundling and Baby Hospital taken over by Children's Memorial Hospital.

1935 A. E. Morgan appointed Principal.
Blanche Hutchinson Research Fund received (approximately \$85,000.00).

1936 Dean Martin retired.
Professor Grant Fleming appointed Dean.
Gilman Cheney Chair of Biochemistry established.

1937 Lewis W. Douglas appointed Principal.

OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN

DEANS

Dr. R. Robertson, official head of the Montreal Medical Institution, 1823, was followed by Dr. John Stephenson in 1829 as Registrar and official head of the Faculty up to 1842, when he was succeeded by Dr. A. F. Holmes with the title of Secretary.

A. F. HOLMES, 1854.	HERBERT S. BIRKETT, 1914.
GEO. W. CAMPBELL, 1860.	F. G. FINLEY, 1921.
R. P. HOWARD, 1882.	GEORGE E. ARMSTRONG, 1922.
ROBERT CRAIK, 1889.	C. F. MARTIN, 1923.
GEORGE ROSS (Vice-Dean), 1889.	GRANT FLEMING, 1936.
THOMAS G. RODDICK, 1901.	J. C. SIMPSON (Associate Dean),
FRANCIS J. SHEPHERD, 1908.	1936.

REGISTRARS

JOHN STEPHENSON, 1829.	JAMES STEWART, 1884.
ARCHIBALD HALL, 1842.	R. F. RUTTAN, 1891.
WILLIAM WRIGHT, 1864.	E. M. EBERTS, 1902.
ROBERT CRAIK, 1869.	J. W. SCANE (Assistant Dean,
WILLIAM OSLER, 1877.	1920-1922).
F. J. SHEPHERD, 1883 (Acting).	

Registrarship abolished—1923

SECRETARY

J. C. SIMPSON, 1923.

MEDICINE

<i>Chair of Medicine</i> (Founded 1824)	<i>Chair of Clinical Medicine</i> (Founded 1845)
WILLIAM CALDWELL, 1824.	JAMES CRAWFORD, 1845 and 1852.
WILLIAM ROBERTSON, 1833.	ROBT. L. MACDONNELL, 1849.
ANDREW F. HOLMES, 1842.	STEPHEN C. SEWELL, 1850.
R. P. HOWARD, 1860.	R. P. HOWARD, 1856.
GEORGE ROSS, 1889.	DUNCAN C. MACCALLUM, 1860.
JAMES STEWART, 1893.	JOSEPH M. DRAKE, 1872.
	GEORGE ROSS, 1872.
	RICHARD L. MACDONELL, 1889.
	JAMES STEWART, 1891.

Chair of Medicine and Clinical Medicine

(Founded 1907)

(*Chair of Medicine since 1923*)

F. G. FINLEY, 1907-1924.	J. C. MEAKINS, 1924
H. A. LAFLEUR, 1907-1919.	C. P. HOWARD, 1924-1936.
C. F. MARTIN, 1907-1936.	A. H. GORDON, 1937-1939.
W. F. HAMILTON, 1924-1933.	L C. MONTGOMERY, 1939.

SURGERY

<i>Chair of Surgery</i> (Founded 1824)	<i>Chair of Clinical Surgery</i> (Founded 1840)
JOHN STEPHENSON, 1824.	JAMES CRAWFORD, 1845.
G. W. CAMPBELL, 1835.	WILLIAM E. SCOTT, 1852.
GEO. E. FENWICK, 1875.	DUNCAN C. MACCALLUM, 1856.
T. G. RODDICK, 1890.	ROBERT CRAIK, 1860.
	GEORGE E. FENWICK, 1867.
	THOMAS G. RODDICK, 1876.
	JAMES BELL, 1894.

Chair of Surgery and Clinical Surgery

(Founded 1907)

(Chair of Surgery since 1923)

JAMES BELL, 1907-1911. E. W. ARCHIBALD, 1923-1937.
 GEO. E. ARMSTRONG, 1907-1923. A. T. BAZIN, 1923-1938.
 J. A. HUTCHISON, 1913-1923. E. M. EBERTS, 1929-1938.
 F. S. PATCH, 1938.

OBSTETRICS AND GYNAECOLOGY*Chair of Obstetrics*

(Founded 1824)

WILLIAM ROBERTSON, 1824.
 JOHN RACEY, 1833.
 GEO. W. CAMPBELL, 1835.
 MICHAEL McCULLOCH, 1842.
 ARCHIBALD HALL, 1854.
 D. C. MacCALLUM, 1868.
 ARTHUR A. BROWNE, 1883.
 J. CHALMERS CAMERON, 1886.

Chair of Gynaecology

(Founded 1883)

WILLIAM GARDNER, 1883.
 W. W. CHIPMAN, 1910.

Chair of Obstetrics and Gynaecology

(Founded 1913)

W. W. CHIPMAN, 1913-1929.
 J. R. FRASER, 1929.
 H. M. LITTLE, 1929-1934.

ANATOMY

(Chair founded 1824)

JOHN STEPHENSON, 1824.
 OLIVER T. BRUNEAU, 1842.
 WILLIAM E. SCOTT, 1856.
 C. P. MARTIN, 1936.

FRANCIS J. SHEPHERD, 1883.
 A. C. GEDDES, 1913.
 S. E. WHITNALL, 1919-1934.

CHEMISTRY*Chair of Chemistry*

(Founded 1824)

ANDREW F. HOLMES, 1824.
 ARCHIBALD HALL, 1842.
 WILLIAM SUTHERLAND, 1849.

ROBERT CRAIK, 1867.
 GILBERT P. GIRDWOOD, 1879.
 R. F. RUTTAN, 1902-1928.

Chair of Practical Chemistry
(Founded 1872)

GILBERT P. GIRDWOOD, 1872. R. F. RUTTAN, 1894.

MEDICAL JURISPRUDENCE

(Chair founded 1845)

WILLIAM FRASER, 1845.	DUNCAN C. MACCALLUM, 1860.
FRANCIS BADGLEY, 1849.	GEORGE E. FENWICK, 1867.
FRANCIS C. T. ARNOLDI, 1850.	WILLIAM GARDNER, 1875.
WILLIAM E. SCOTT, 1851.	GEORGE WILKINS, 1883.
WILLIAM WRIGHT, 1852.	D. D. MACTAGGART, 1911-1929.
R. PALMER HOWARD, 1854.	

HYGIENE AND PUBLIC HEALTH

(Chair founded 1871—endowed 1893)

GEORGE ROSS, 1871.	R. L. MACDONNELL, 1886.
THOMAS G. RODDICK, 1873.	ROBERT CRAIK, 1889.
ROBERT T. GODFREY, 1875.	WYATT JOHNSTON, 1902.
WILLIAM GARDNER, 1879.	T. A. STARKEY, 1902.
	GRANT FLEMING, Professor and Head of the Department of Public Health and Preventive Medicine, 1926.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

Chair of Ophthalmology and Otolaryngology

(Founded 1883)

	FRANK BULLER, 1883.
	Chair of Laryngology
	(Founded 1893)
G. W. MAJOR, 1893.	H. S. BIRKETT, 1895.
	Chair of Oto-Laryngology
H. S. BIRKETT, 1895-1931.	E. HAMILTON WHITE, 1931-1933.
	Chair of Ophthalmology
J. W. STIRLING, 1906.	F. T. TOOKE, 1937-1939.
W. G. BYERS, 1923.	S. H. MCKEE, 1939.

ZOOLOGY

E. W. MACBRIDE, 1902-1910. ARTHUR WILLEY, 1910-1932.

HISTORY OF MEDICINE

ANDREW MACPHAIL, 1907-1937.

BACTERIOLOGY

F. C. HARRISON, 1928-1930. E. G. D. MURRAY, 1930.

NEUROLOGY AND NEUROSURGERY

(Founded 1932)

W. G. PENFIELD, 1932.

PAEDIATRICS

(Founded 1937)

H. B. CUSHING, 1937.

R. R. STRUTHERS, 1938

FACULTY OF MEDICINE

The one hundred and seventh session of the Faculty will open on September 6th, 1939 for students of the first, second, third and fourth years, and on September 13th for students of the fifth year.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

Physics—One year of general college Physics with laboratory work.

Biology—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

Chemistry—Two years:—

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 42).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Associate Dean of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit to the Associate Dean of the Faculty an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students entering all years of Medicine except the fifth will register at the Registrar's Office on Tuesday, September 5th. Fifth year students will register on September 11th and 12th, 1939. Those who register after these dates will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

MEDICAL EXAMINATION

In order to promote as far as possible the physical welfare of the student body, men students of the First and Second Years, and women students of the First and Third Years, in every Faculty, and all students coming to the University for the first time, are required to be medically examined. The hours of such examinations are announced at the beginning of the session. Any student who has failed to comply with this regulation before the 1st of November will be fined \$5.00. Any student who has failed to comply before the 8th of November will be fined an additional \$5.00. Any student who has failed to comply before the 15th of November will be suspended. Re-examinations are held frequently throughout the session for those students who are of low category, or who are suffering from physical disability.

Students of all years, who wish to engage in athletic activities, are also required to be medically examined.

VACCINATION

Provincial and University regulations require that students entering the University must have been successfully vaccinated within the preceding seven years or have proved insusceptible to vaccine within the previous five years. Students should take steps to comply with this regulation before reporting for registration and should bring the necessary medical certificate of vaccination with them.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH

Provision is made by the Department of Physical Education for the care of the health of undergraduates during the session. If a student's admission to hospital is requisitioned for by the Department, but not otherwise, one half of all public ward charges is paid by the University. Should a student desire private accommodation the difference in the cost must be borne by him. Should a student receive treatment by a private practitioner without first having received a requisition form, he must bear all expenses involved.

No student, after having received medical attention as a result of sickness or injury, may resume participation in University athletics until the University Medical Officer declares him fit.

No dental treatment is supplied by the University.

The University is not responsible for damages of any kind resulting from accidents which may occur, and is not responsible for the medical or hospital expenses incurred by any person suffering an accident; if, however, in any such case, a recommendation to that effect is made in

writing by the Department of Physical Education, but not otherwise, the University may pay the whole or such portion of the medical or hospital expenses as is covered by such written recommendation. All cases of athletic injury requiring medical treatment or hospital accommodation must be reported immediately to the Director or the University Medical Officer. In cases of emergency the Royal Victoria Hospital or the Montreal General Hospital accepts cases but these must be reported to the Department of Physical Education as well as to the Athletics Manager within forty-eight hours.

A leaflet and handbook concerning this service and the general work of the Department are distributed at the opening of the session.

FEES

TUITION FEES:

1. Annual undergraduate fee for British students..... \$360.00
By instalments: Each of two instalments..... 182.50
2. Annual undergraduate fee for Non-British students..... 460.00
By instalments: Each of two instalments..... 232.50
3. Undergraduates repeating a year pay one half the regular tuition fee. This includes dissecting material, chemical reagents, laboratories, etc.
4. Qualified partial students are admitted to one or more courses on payment of special fees.
5. The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of Five Dollars.

SPECIAL UNIVERSITY FEES:

6. Late registration, after September 5th or 12th..... \$ 5.00
Late registration, after September 12th or 19th..... 10.00
Late payment fee 2.00
Fine for late medical examination (see page 33)..... \$5.00 or 10.00
Supplemental Examinations, each paper 10.00
Receipts for supplementals must be shown to the Dean's Office before the examination.
7. Duplicate graduation diploma 10.00
Certified copy of student's record 1.00
Conferring degree *in absentia* 10.00
Ad eundem fee for students from another university entering any year above the First 10.00
8. *Caution Money.* Every student is required to make a deposit of \$10.00 as Caution Money to cover damage done to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

STUDENTS' ACTIVITIES:

7. A sessional fee of \$21.00 is payable by all men undergraduates and \$16.00 by all women undergraduates, for the support of student organizations, for the rinks and tennis courts and for admission to all home games under the control of the Athletics Board.
8. Partial students pay \$3.00 for athletics and athletic grounds. If they desire such of the privileges of Section 7 as are open to them, an additional \$10.50 is charged for men students and \$8.50 for women students.

GENERAL REGULATIONS:

9. Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m., Saturday, 9 a.m. to noon, on the following dates:—

First to Fourth years inclusive—Tuesday, September 5th to Friday, September 8th inclusive.

Fifth year—Monday, September 11th and Tuesday, September 12th.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

10. Students registering late pay their fees at the time of registration failing which they become subject to the provisions of Regulation 9.
11. Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.
12. All fees are payable in Canadian currency.
13. Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

UNIVERSITY LOAN FUND

A Student Loan Fund has been established by the University to assist needy students in all Faculties. Loans are made only to students with good academic standing.

For further particulars students should consult the Dean of the Faculty.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:— 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

STUDENTS' EXPENSES

1. BOARD AND RESIDENCE

I. For Men.

Douglas Hall.

Douglas Hall, the new University residence for men, was opened in September, 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. There is also a limited number of separate study-bedrooms. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc. Application forms may be obtained from the Registrar's Office or from the Warden.

Hall fees, including board and residence:

FACULTY	SESSION
Arts and Science, Engineering, and Law.....	\$ 360
Fifth year of Medicine and third and fourth years of Dentistry	\$ 380
All other years of Medicine and first two years of Dentistry.....	\$ 420

One half the fee is payable at the beginning of the session, one quarter on the 10th January, and the balance on the 1st April.

Lodgings.

Residential accommodation is provided for about 60 students in Strathcona Hall, the home of the Student Christian Movement in McGill University. Full particulars may be obtained from the Secretary of the Association, 772 Sherbrooke Street West, Montreal, who will also make arrangements to have students who are strangers to Montreal met on arrival and helped to secure lodgings, if due notice is sent of the station and time of arrival.

Before the opening of the session each year a list of Approved Lodgings, which have been inspected by a representative of the University, is issued by the Lodgings Committee. This list, which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, Strathcona Hall, and other University Buildings. The list is not sent by mail.

Board and lodging for men may also be obtained in the Diocesan College, the United Theological College, and the Presbyterian College, which are theological colleges affiliated with the University.

Board is furnished in the McGill Union at low rates.

The cost of board and lodging in approved rooms varies from \$30 to \$60 per month. Separately, good board costs from \$25, and a room from \$12 upwards per month.

II. For Women.

See the General Announcement which may be obtained from the Registrar's Office.

2. ESTIMATED ANNUAL EXPENSES

	British	Non-British
Tuition Fees	\$360.00	\$460.00
Fee for Athletics, Union, etc.....	21.00	21.00
Caution Money Deposit.....	10.00	10.00
Board and Lodging.....	375.00	375.00
Books, Instruments, etc.....	154.00	154.00
	—————	—————
	\$920.00	\$1,022.00

It will be noted that in the above estimate no account is taken of personal expenses, such as cost of clothes, laundry, etc. Students are advised also to reckon on at least \$20.00 to \$25.00 per annum for subscriptions of various kinds.

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

THE NEW REGULATIONS

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine has been reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the last week in May, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, will be post-graduate, so that those who choose to devote it to internship will enter the hospital with all the advantages that accrue from the possession of a medical degree.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty will issue to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction in the new course is as follows:

First Year:

Anatomy, Histology and Embryology, Physiology.

Second Year:

Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology, Bacteriology, Parasitology, Medicine, Surgery, Obstetrics.

Third Year:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology.

Fourth Year:

Pathology, Bacteriology and Immunology, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Ophthalmology, Otolaryngology.

A. THE MEDICAL COURSE

The Academic year is divided into three terms and the minimum period of study required for the degree is twelve terms (four years).

The subjects comprised in the medical course are arranged in two groups:

The Preclinical Group:

- Anatomy.
- Histology and Embryology.
- Biochemistry.
- Physiology.
- Pharmacology.

The Clinical Group:

- Bacteriology.
- Pathology.
- Public Health and Preventive Medicine.
- Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
- Surgery (including Urology and Orthopædic Surgery).
- Obstetrics and Gynæcology.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examination the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all the required course examinations.

Histology and Embryology: must have satisfactorily completed two terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed three terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least six terms of clinical instruction.

Pathology: must have completed at least three terms of work in the subject.

Public Health: must have completed the course and have taken at least three terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of seven terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology.
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.
- V. Anæsthesia.
- VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.
- VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Head of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee considers the cases of all students who are reported by their instructors as having fallen below the grade of C and determines whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, qualify a candidate for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals and prizes open to undergraduate and graduate students in Medicine will be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all of the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right

of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University *requires Canadian students to register with the licensing body of their home province before beginning their medical course.*

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

**GENERAL COUNCIL OF MEDICAL EDUCATION AND
REGISTRATION OF GREAT BRITAIN**

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

THE ROBERT REFORD PROFESSOR:—C. P. MARTIN ✓

ASSISTANT PROFESSOR OF ANATOMY:—.....

ASSISTANT PROFESSOR OF HISTOLOGY:—H. SELYE P

LECTURER IN HISTOLOGY:—A. J. DALTON ✓

SENIOR DEMONSTRATOR IN ANATOMY:—D. S. FORSTER ✓

F. S. DORRANCE ✓
G. A. HOLLAND ✓
J. C. LUKE ✓
H. S. MORTON ✓
A. M. VINEBERG ✓
E. W. WORKMAN ✓

DEMONSTRATORS IN ANATOMY:—

J. R. DEAN
E. W. WORKMAN
W. WALFORD ✓

TEACHING FELLOW IN ANATOMY:—F. L. MCNAUGHTON

ANATOMY

Required Courses

1. **Course in Gross Anatomy. First Year.**

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms.

2. **Course in Neuro-Anatomy. Second Year.**

Six hours per week lectures and laboratory work in Neuro-Anatomy and the Anatomy of the Special Sense Organs during the Autumn and Winter terms.

3. Course in Applied Anatomy. Third Year.

One hour per week lecture and demonstration during the Winter and Spring terms. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins.

Group Classes in Osteology are conducted weekly by the Demonstrators throughout the First Year Course.

Elective Courses

The Department provides, as far as material will permit, facilities for advanced work or revision. The Head of the Department should be consulted by anyone wishing to undertake work of this nature.

4. Advanced Neuro-Anatomy.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

5. Course in Physical Anthropology.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY**Required Courses****6. Histology First Year.**

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Three hours lectures and six hours laboratory work per week during the Autumn and Winter terms.

7. Neuro-histology. Second Year.

In this course the histology of the central nervous system and the special sense organs will be taken up. It will be arranged to correlate with, and form part of, the course in Neuro-Anatomy (Anatomy 2) in the Winter term.

Text-books—Maximow and Bloom, "Histology"; Ranson, "Anatomy of the Nervous System".

Optional Texts—Histology—Cowdry, Lewis and Bremer, Jordan, Bailey, Shaefer; Neuro-histology—Villiger.

EMBRYOLOGY

Required Courses

8. The Study of Human Developmental Anatomy.

Three hours per week lecture and laboratory work during the Winter (2nd half) and Spring terms.

Text-book—Arey, "Developmental Anatomy".

Optional texts—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

THE JOSEPH MORLEY DRAKE PROFESSOR:—JOHN TAIT

RESEARCH PROFESSOR:—BORIS P. BABKIN✓

ASSISTANT PROFESSOR:—N. GIBLIN ♀

LECTURERS:—

S. DWORKIN P	✓
S. KOMAROW ✓	
D. A. ROSS ✓	

TEACHING FELLOW:—W. H. JOHNSON

Required Courses

1. First Year Lectures.

Monday, Wednesday, Friday, at 9; from the beginning of September to the end of May.

1P. First Year Laboratory.

Six hours a week, Winter Term.

2. Second Year Lectures.

Tuesday, Thursday, Saturday, at 9. Autumn Term.

2P. Second Year Laboratory (Mammalian).

Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Winton and Bayliss, Human Physiology; Halliburton and McDowall, Handbook of Physiology; Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; Roaf, Textbook of Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; McDowall, Clinical Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

Other Courses

(Available only for students who have obtained Honours in the Required Courses, and by application to the Head of the Department).

3. Advanced Lectures.**3P. Advanced Laboratory.**

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

GILMAN CHENEY PROFESSOR AND HEAD OF THE DEPARTMENT:—

J. B. COLLIP ✓

PROFESSOR:—D. L. THOMSON ✓

LECTURERS IN PATHOLOGICAL CHEMISTRY:—{ J. S. L. BROWNE ✓
E. H. MASON ✓
I. M. RABINOWITCH ✓

LECTURERS:—{ O. F. DENSTEDT ✓
A. H. NEUFELD ✓

The Department offers, in addition to the required lecture and laboratory course, an elective course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. General Physiological Chemistry:

- (a) Lectures: Monday, Wednesday, Friday at 9.
- (b) Laboratory: Six hours weekly, Monday morning and Thursday afternoon, or Tuesday afternoon and Friday morning.

Text-books—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry" (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

This course is given in the Autumn and Winter terms.

2. Endocrinology:

Lectures: Wednesday at 3.

Text-book—Cameron, "Recent Advances in Endocrinology" (Blakiston).

PATHOLOGY

STRATHCONA PROFESSOR:—G. LYMAN DUFF ✓

PROFESSOR:—L. J. RHEA ✓

ASSISTANT PROFESSOR:—T. R. WAUGH ✓

LECTURERS:—{ S. W. LIPPINCOTT
J. E. PRITCHARD ✓

LECTURER IN NEUROPATHOLOGY:—W. V. CONE

DEMONSTRATOR:—H. D. CHIPPS ✓

ASSISTANT DEMONSTRATORS:—{ F. P. FLOOD
A. W. GRAY
E. S. MURRAY
J. D. STENSTROM
G. C. WALKER

CURATOR OF MUSEUM:—S. W. LIPPINCOTT

Required Courses

I. DIDACTIC LECTURES.

A1. General Pathology and Pathological Anatomy.

Two lectures (with epidiascope demonstrations) a week.
Autumn, Winter and Spring Terms.

Pathological Institute Professor Duff.

B1. Special Pathological Anatomy and Pathogenesis of the Circulatory, Respiratory and Digestive Systems.

One lecture with epidiascope demonstrations a week.
Autumn and Winter Terms.
Pathological Institute Professor Duff.

B2. Diseases of the Blood Forming Organs.

One lecture a week. Autumn Term.
Pathological Institute Dr. Waugh.

B3. Pathological Anatomy of the Renal System.

One lecture a week. Winter Term.

Pathological Institute Dr. Lippincott.

B4. Pathological Anatomy of the Endocrine System.

One lecture a week. Winter Term.

Pathological Institute Dr. Lippincott.

B5. Pathological Anatomy of the Nervous System.

One lecture a week. Spring Term.

Pathological Institute Dr. Cone.

B6. Special Pathological Anatomy of Bones.

Spring Term.

Pathological Institute Professor Waugh.

II. PRACTICAL COURSES.**A2. Laboratory Course in General Pathological Anatomy and Histology**

(including the methods of microscopic technique and diagnosis with practical exercises in the living animal, in fresh and in hardened tissues). Six hours weekly.

Winter and Spring Terms.

Pathological Institute, Professor ———, and Demonstrators.

B7. Laboratory Course in Special Pathological Anatomy and Histology.

Four hours weekly.

Winter and Spring Terms.

Pathological Institute Professor Waugh, Dr. Lippincott and Demonstrators.

B8. Clinico-pathological Conferences (with demonstration of autopsy material).

Autumn, Winter and Spring Terms.

Pathological Institute Professor Waugh, Dr. Lippincott, and members of Clinical Staff.

B9. Demonstrative Course and Practical Exercises in Pathological Anatomical Methods and Diagnosis (including autopsy technique and references to medico-legal practice).

Autumn, Winter and Spring Terms.

Pathological Institute Dr. Lippincott and Demonstrators.

B10. Surgical Pathology (a course of lectures and demonstrations dealing with the pathology of surgical material).

Autumn, Winter and Spring Terms.

Pathological Institute.....Professor Waugh and members of Surgical Staff.

C1. Performance of Autopsies—Group Instruction.

Autumn, Winter and Spring Terms. Time according to material.

Pathological InstituteDr. Lippincott and Demonstrators.

Montreal General Hospital.....Professor Rhea and Demonstrators.

Elective Courses

B8. Special Haematological Technique.

Lectures and demonstrations on the more important haematological methods of examining the blood.

Winter Term.

Pathological Institute.....Professor Waugh.

C3. Demonstration and Discussion of Specimens Removed at Operation, (including microscopic diagnosis and interpretation). For advanced students.

Autumn, Winter and Spring Terms.

Pathological InstituteProfessor Waugh and members of Surgical Staff.

Reference Books:— Aschoff, Pathologische Anatomie (Gustav Fisher); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Ewing, Neoplastic Diseases (Saunders); Karsner, Human Pathology (Lippincott); Kaufmann, Spezielle pathologische Anatomie (Walter de Gruyter & Co.); MacCallum, A Text-Book of Pathology (Saunders); Muir, Text-book of Pathology (Arnold); Oertel, Outlines of Pathology (Renouf); Oertel, Special Pathology of Circulatory, Respiratory, Renal and Digestive Systems (Renouf); Smith and Gault, Principles of Pathology (Appleton Century); Whitby and Britton, Disorders of the Blood (Churchill); Willis, The Spread of Tumours in the Human Body (Churchill); Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders); Coman, Technique of Post Mortem Examination (Renouf); Farber, Post Mortem Examination (Charles Thomas); Carleton, Histological Technique (Oxford); Mallory, Pathological Technique (Saunders).

BACTERIOLOGY AND IMMUNITY

PROFESSOR:—E. G. D. MURRAY ✓

ASSOCIATE PROFESSOR:—FREDERICK SMITH ✓

ASSISTANT PROFESSOR:—T. E. ROY ✓

LECTURERS:—{ C. D. KELLY ✓
W. H. MATHEWS ✓

{ D. H. STARKEY ✓
N. W. MCLELLAN ✓

DEMONSTRATORS:—{ R. P. DOW ✓
L. P. DEMERS ✓
M. F. HOWIE ✓

Required Courses

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

Course 1. Elementary Medical Bacteriology and Immunity.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

Course 2. Applied Medical Bacteriology and Immunity and the Processes of Infectious Diseases.

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

Course 3. Bacteriology and Immunity for Honours B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Lea & Febiger); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan, Text-book of General Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite :—An aggregate standing of high second class must be obtained in the subjects submitted for the First Year.

The Head of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; Parasitology; Mycology; Pharmacology.

Fourth Year—Bacteriology Course 3.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 3.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

STRATHCONA PROFESSOR AND HEAD OF THE DEPARTMENT:—
GRANT FLEMING ✓

ASSOCIATE PROFESSOR:—R. ST. J. MACDONALD ✓

ASSISTANT PROFESSOR (MENTAL HYGIENE):—W. T. B. MITCHELL ✓

ASSISTANT PROFESSOR:—FRANK G. PEDLEY ✓

DEMONSTRATOR (MENTAL HYGIENE):—BARUCH SILVERMAN ✓

DEMONSTRATOR:—R. VANCE WARD ✓

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what is possible and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the in-

dividual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

Required Courses

1. **Introduction to Public Health and Preventive Medicine.**
Spring term Professors Fleming and Mitchell.
2. **Public Health Organization and Administration. (Including related community services).**
Winter term Professors Fleming, Macdonald and Dr. Silverman.
3. **Mental Hygiene.**
Winter term Professor Mitchell.
4. **Practice of Preventive Medicine, and Communicable Disease Control.**
Winter term Professors Fleming, Macdonald and Pedley.
5. **Demonstrations. (Chandler Health Centre).**
Winter term.
6. **Health Study of a City or Town.**
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and Reference books:—

The General Field:—Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

PROFESSOR:—R. L. STEHLE ✓

ASSOCIATE PROFESSOR OF THERAPEUTICS:—D. S. LEWIS ✓

ASSISTANT PROFESSOR OF PHARMACOLOGY:—K. I. MELVILLE ✓

LECTURERS IN THERAPEUTICS:—{D. GRANT CAMPBELL ✓
W. DE M. SCRIVER ✓

LECTURER IN ANÆSTHESIA:—WESLEY BOURNE ✓

LECTURER IN PHARMACOLOGY:—A. M. FRASER ✓

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

Required Courses

1. **Pharmacology.** The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. **Pharmacological Laboratory.** The experiments are chosen to illustrate the lectures of the preceding course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

Required Courses

3. **Pharmacy and Prescription Writing.** Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. **Therapeutics: Didactic Instruction.** A series of 15 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

4a. Therapeutics: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-book in Therapeutics.* Beckman.

Options

Suitably prepared persons may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

PROFESSOR AND HEAD OF THE DEPARTMENT:—JONATHAN C. MEAKINS

PROFESSOR:—L. C. MONTGOMERY ✓

ASSOCIATE PROFESSORS:— { E. H. MASON ✓
I. M. RABINOWITCH ✓

ASSISTANT PROFESSORS:— { C. C. BIRCHARD ✓
J. S. L. BROWNE ✓
J. KAUFMANN ✓
D. S. LEWIS ✓
C. F. MOFFATT ✓
LORNE MONTGOMERY
J. B. ROSS ✓

LECTURERS:— { C. R. BOURNE, G. R. BROW,
D. G. CAMPBELL,
KEITH GORDON, R. H. M. HARDISTY,
A. T. HENDERSON, J. F. MCINTOSH, ✓
D. W. MCKECHNIE, E. S. MILLS,
W. DE M. SCRIVER ✓

DEMONSTRATORS:— { L. J. ADAMS, GORDON A. COPPING,
W. W. EAKIN, NEIL FENNEY,
A. F. FOWLER, C. W. FULLERTON,
C. R. JOYCE, W. R. KENNEDY,
H. E. MACDERMOT, J. F. MACIVER,
J. WENDELL MACLEOD, J. L. D. MASON,
D. L. MENDEL, E. V. MURPHY, ✓
E. E. ROBBINS, H. N. SEGALL,
COLIN SUTHERLAND, G. D. TAYLOR,
C. J. TIDMARSH, R. VANCE WARD

ASSISTANT DEMONSTRATORS:— { MARGARET E. B. CAMERON,
A. R. HALL, ✓
HOWARD S. MITCHELL,
S. ORTEMBERG,
F. MCIVER SMITH

PSYCHIATRY

ASSOCIATE PROFESSOR:—W. T. B. MITCHELL ✓

CLINICAL PROFESSOR:—C. A. PORTEOUS ✓

CLINICAL PROFESSOR OF NEUROLOGY:—F. H. MACKAY ✓

LECTURERS IN NEUROLOGY:—{ A. W. YOUNG
N. VINER

T. H. DANCEY ✓

A. A. MCKAY ✓

G. E. REED ✓

B. SILVERMAN ✓

C. H. SKITCH ✓

DEMONSTRATORS:—{

DERMATOLOGY

CLINICAL PROFESSORS:—{ P. BURNETT ✓
J. F. BURGESS ✓

LECTURER:—L. P. EREAUX ✓

DEMONSTRATORS:—{ B. USHER ✓
F. E. CORMIA ✓

ASSISTANT DEMONSTRATOR:—DONALD S. MITCHELL ✓

CLINICAL THERAPEUTICS

ASSOCIATE PROFESSOR:—D. S. LEWIS ✓

LECTURERS:—{ D. GRANT CAMPBELL ✓
W. DE M. SCRIVER ✓

LECTURER IN PHYSIO-THERAPY:—NORMAN BROWN ✓

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

Required Courses

1. A course of University lectures on Medicine and Surgery with integration of Physiology, Biochemistry, and Anatomy. This course is designed to review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year and continues throughout the third year. It is given in the University Medical Building by members of the Departments of Medicine and Surgery.
2. Courses of lectures will be given in Psychiatry and Therapeutics on two afternoons a week during the autumn and winter terms.
3. Clinical lectures in general medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Gordon, and Assistants.
4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.
5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. Kaufman and Assistants.

6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Professors Meakins, Gordon and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) A weekly theatre clinic on mental hygiene, neuroses, psychoses and border line cases during the final year at the Montreal Neurological Institute.

Professor W. T. B. Mitchell and Assistants.

(b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals. Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. **Physio-Therapy.** Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis and Brown.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies and report on them to his teachers.

Medical Jurisprudence and Toxicology.

A series of twenty lectures. Professor Rabinowich.

Medical Jurisprudence: *Definition and scope*: obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. **Witnesses:** Ordinary. Expert. Skilled. **Medical Evidence:** Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. **Legal aspects of physical examinations.** **Malpractice:** Criminal. Civil. Negligence. Recklessness. "Reasonable care and judgment." **Identification of living persons:** Scars. Tatoo marks. Hair dyes. Dactylography.

Wounds: Types. Ante-and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations*. *Death*: Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions*: Impotence. Sterility. *Pregnancy*. *Abortion*: Natural. Criminal. Justifiable. *Birth*: Certification. Legitimacy. Paternity. *Infanticide*: Necessary proof of live birth. *Sexual offenses*: Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders*: Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism*. Criteria of drunkenness.

Toxicology: *Occurrence of poisoning*: Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons*. *Modes of action*. Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning*: Similarity between poisoning and disease. Rules for diagnosis. *Treatment*: General. Specific. *Medico-legal aspects of poisoning*—Accident. Suicide. Murder.

References—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

Elective Courses

12. **Physio-Therapy (Practical)**: A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease. Dr. Brown.

13. **Therapeutics**: A series of ten evening lectures on certain special aspects of medical treatment will be offered if a sufficient number apply. These lectures will be given by those having a special interest in the various topics, and will be open to students and graduates.

14. A course of lectures on “recent advances in Medicine” and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, haematology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these electives courses will be announced at the beginning of each session.

Text and Reference Books

Clinical Methods and Physical Diagnosis :—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine :—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry", Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendening, "Methods of Treatment"; "Pharmacopoeia of the Teaching Hospitals".

Psychiatry :—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology :—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology :—Walker's "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

PROFESSOR :—R. R. STRUTHERS ✓

ASSOCIATE PROFESSOR :—S. GRAHAM ROSS ✓

ASSISTANT PROFESSORS :— { A. GOLDBLOOM ✓
L. LINDSAY ✓

LECTURERS :— { A. K. GEDDES ✓
ALAN ROSS ✓
JESSIE BOYD SCRIVER ✓
H. P. WRIGHT ✓

DEMONSTRATORS :— { P. N. MACDERMOT ✓
S. J. USHER ✓

ASSISTANT DEMONSTRATORS :— { H. L. BACAL ✓
B. BENJAMIN ✓

Required Courses

1. **Lecture Course:** A series of thirty-five clinical lectures on paediatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.

Professor Struthers and Assistants.

2. **Infectious Diseases:** A series of demonstrations to groups of students on the ordinary infectious diseases is given at the Alexandra Hospital.
3. **Diseases of the New Born**—Royal Victoria Montreal Maternity Pavilion.
4. **Clinical Paediatrics:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including—
 - (a) Normal Infant Feeding, Care and Development—Montreal Foundling and Baby Hospital.
 - (b) General Paediatrics—Children's Memorial Hospital.
 - (c) Infectious Diseases—Alexandra Hospital.

Text-books—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics"; Wright, "Essentials of Infant Feeding and Paediatric Practice"; Goldbloom, "Care of the Child"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books—Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Paediatrics" (8 volumes).

NEUROLOGY AND NEUROSURGERY

PROFESSOR OF NEUROLOGY AND NEUROSURGERY:—WILDER PENFIELD ✓

ASSOCIATE PROFESSOR OF NEUROLOGY:—COLIN RUSSEL ✓

ASSOCIATE PROFESSOR OF NEUROSURGERY:—WILLIAM CONE ✓

CLINICAL PROFESSOR OF NEUROLOGY:—F. H. MACKAY ✓

ASSISTANT PROFESSOR OF NEUROSURGERY:—A. R. ELVIDGE ✓

DONALD McEACHERN ✓
F. McNAUGHTON ✓
J. N. PETERSEN ✓
N. Viner ✓
A. W. YOUNG ✓

LECTURERS IN NEUROLOGY:—{ J. N. PETERSEN ✓

N. Viner ✓

A. W. YOUNG ✓

LECTURER IN NEUROLOGICAL ROENTGENOLOGY:—A. E. CHILDE ✓

LECTURER IN NEUROLOGICAL ELECTROGRAPHY:—HERBERT JASPER ✓

LECTURERS IN CLINICAL PSYCHOLOGY:—{ MOLLY HARROWER ✓

DONALD HEBB ✓

DEMONSTRATOR IN NEUROSURGERY:—T. C. ERICKSON ✓

DEMONSTRATOR IN NEUROLOGY:—J. KERSHMAN ✓

ASSISTANT DEMONSTRATOR IN NEUROSURGERY:—F. ECHLIN ✓

ASSISTANT DEMONSTRATOR IN NEUROPATHOLOGY:—ROBERT PUDENZ ✓

F. ECHLIN ✓
S. HUMPHREYS ✓
O. W. STEWART ✓
J. MCCARTER ✓
Y. CHAO ✓
PRADOS Y SUCH ✓
W. BROWN ✓
M. GRIFFITHS ✓

RESEARCH FELLOWS:—

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine and Surgery in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, Elvidge, McEachern, Childe, Jasper, McNally, Boldrey, Kershman, McNaughton, and Erickson.

SURGERY

PROFESSOR OF UROLOGY AND HEAD OF THE DEPARTMENT OF SURGERY:—
F. S. PATCH

ASSOCIATE PROFESSORS:— { F. D. GURD ✓
C. K. P. HENRY ✓
F. E. MCKENTY ✓

ASSISTANT PROFESSOR:— J. A. ARMOUR ✓

LECTURERS:— { HOWARD DAWSON ✓
H. M. ELDER ✓
R. R. FITZGERALD ✓
G. A. FLEET ✓
GUY JOHNSON ✓
C. A. MCINTOSH ✓
L. H. MCKIM ✓
G. GAVIN MILLER ✓
DUDLEY ROSS ✓
A. J. STEWART ✓
F. J. TEES ✓
A. L. WILKIE ✓

DEMONSTRATORS:— { S. G. BAXTER, E. M. COOPER,
H. G. PRETTY, J. C. LUKE,
S. J. MARTIN, H. S. MORTON,
H. F. MOSELEY, ALBERT ROSS,
P. G. ROWE

ASSISTANT DEMONSTRATORS:— { F. D. ACKMAN, G. D. LITTLE,
J. C. SUTTON, D. W. WEBSTER

UROLOGY

CLINICAL PROFESSOR:— E. C. SMITH ✓

LECTURER:— R. E. POWELL ✓

DEMONSTRATORS:— { A. B. HAWTHORNE ✓
M. SENG ✓
T. E. TANNEY ✓
A. M. ✓

ORTHOPAEDIC SURGERY

CLINICAL PROFESSORS:— { J. A. NUTTER ✓
W. G. TURNER ✓

LECTURERS:— { W. J. PATTERSON ✓
N. F. WILLIAMSON ✓

ASSISTANT DEMONSTRATORS:— { J. G. PETRIE ✓
J. G. SHANNON ✓

ANÆSTHESIA

LECTURERS:— { C. C. STEWART
F. A. H. WILKINSON

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

Required Courses.

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

1. A combined lecture course in collaboration with the Department of Medicine, Neurology, Neuro-Surgery and Radiology, three days a week during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialities.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. The combined lecture course in collaboration with the Departments of Medicine, Neurology and Neuro-Surgery and Radiology is continued, two days a week, throughout the year. In this course, lectures in Orthopædic Surgery, Neurological Surgery and Urology are included.
2. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
3. Group ward classes.
4. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
5. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
6. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals, two days weekly.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.

Surgical Diseases of Children. During the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

Orthopaedic Surgery.

Third Year. Ten lectures are given in the combined lecture course.

Fourth Year. Ward classes are given once a week during the surgical trimester, of the Fourth Year.

Urology.

Third Year. Ten lectures are given in the combined lecture course.

Fourth Year. Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

Anaesthesia. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:-

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery."
2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery."
3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy." Treves, "Surgical Applied Anatomy."
4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnusson's "Treatment of Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations."
5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases."
6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keys and Ferguson's "Urology."
7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Fraser, "Tuberculosis of Bones and Joints of Children"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery."

OBSTETRICS AND GYNAECOLOGY

PROFESSOR AND HEAD OF THE DEPARTMENT:—J. R. FRASER

ASSOCIATE PROFESSORS:—{ A. D. CAMPBELL ✓
H. C. BURGESS ✓CLINICAL PROFESSORS:—{ J. W. DUNCAN ✓
J. R. GOODALL ✓

ASSISTANT PROFESSOR:—W. A. G. BAULD ✓

LECTURERS:—{ G. C. MELHADO ✓
IVAN PATRICK ✓DEMONSTRATORS:—{ DOUGLAS GURD ✓
J. STEWART HENRY ✓
ELEANOR PERCIVAL ✓
N. W. PHILPOTT ✓
C. V. WARD ✓

CLARA LAW FELLOW AND DEMONSTRATOR:—P. J. KEARNS ✓

ASSISTANT DEMONSTRATORS:—{ K. T. MACFARLANE ✓
D. W. SPARLING ✓

A. A. BROWNE FELLOW:—F. D. JOHNSTON ✓

TEACHING FELLOW:—W. R. FOOTE ✓

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of delivery till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

OBSTETRICS

Required Courses

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
Medical Building. One lecture a week—Spring Term. Professor Fraser.
2. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department.
Autumn, Winter and Spring Terms.
3. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams and lantern slides.
Autumn, Winter and Spring Terms.

4. **Clinical Conferences** thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. **Group Instruction.** The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. **Lecture Demonstrations** in the theatre are held daily during each term on the following subjects:—

A. Normal Labour	Dr. Melhado.
B. Puerperal Infection	Dr. A. D. Campbell.
C. Hæmorrhages of Pregnancy, Labour and the Puerperium.	Professor Duncan.
D. Toxæmia of Pregnancy	Professor Goodall.
E. Dystocia	Professor Burgess.

7. **Care of the New-born.** Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. **The Staff Conference** held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.....Professor Fraser, Dr. Campbell and Staff.

2. A special course on Gynæcological Pathology.....Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.....Dr. Bauld and Staff.

Text and Reference Books

Obstetrics

(1). De Lee	Principles and Practice of Obstetrics.
(2). Stander	Text book on Obstetrics.
(3). Ten Teachers	Midwifery.
(4). Harper	Clinical Obstetrics.
(5). Bourne	Synopsis of Midwifery and Gynæcology.
(6). Johnson, R. W.	Text book of Midwifery.
(7). Bland	Practice of Obstetrics.
(8). Miller, J.	Manual of Obstetrics.
(9). Appleton	Obstetrical and Gynæcological Monographs.
(10). Peterson	Demonstration Course in Obstetrics.
(11). Irving	Text book on Obstetrics.
(12). Beck	Obstetrical practice.

Gynæcology

(1). Graves	Text book of Gynæcology.
(2). Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3). Ten Teachers	Diseases of Women.
(4). Monroe Kerr	Gynæcology.
(5). Blair Bell	Principles of Gynæcology.
(6). Kelly, Howard	Text book of Gynæcology.
(7). Goodall	Puerperal Infection.
(8). Crossen	Gynæcology.

OPHTHALMOLOGY

PROFESSOR:—S. H. MCKEE ✓

LECTURER:—J. A. MACMILLAN ✓

DEMONSTRATORS:—

(K. B. JOHNSTON ✓
	STUART RAMSEY ✓
	J. ROSENBAUM ✓
	R. J. VIGER ✓

ASSISTANT DEMONSTRATOR:—A. BRAMLEY-MOORE ✓

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. Routine examination of the eye.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor McKee and members of the Staff.

2. Lecture demonstrations.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Final Year.

Ten Hours Professor McKee.

3. Clinical Ophthalmology.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor McKee and Staff.

Text-books—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

ASSISTANT PROFESSORS :— { D. H. BALLON ✓
G. E. HODGE ✓

LECTURERS :— { W. J. McNALLY ✓
R. P. WRIGHT ✓

DEMONSTRATORS :— { K. O. HUTCHISON ✓
B. F. MACNAUGHTON ✓
G. E. TREMBLE ✓

ASSISTANT DEMONSTRATORS :— { A. O. FREEDMAN ✓
E. E. SCHARFE ✓
E. A. STUART ✓

Instruction in Oto-Laryngology is given to students of the third, and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Third Year:

A course of 20 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

Lecture Course:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

Fourth Year:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books :—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the head of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

3. **Course for Diploma of Public Health:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Bacteriology: A course given by the Department of Bacteriology at Macdonald College.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as parasitology, tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155, for British subjects and \$205, for non-British subjects.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of \$460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University building, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1938 it cared for 14,092 cases, while in its outdoor department 74,525 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 186 post-mortems.

The number of resident physicians is 45.

The Royal Victoria-Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1938 the obstetrical service cared for 2,090 confinements in the Hospital and 210 in the Out-patient Service, a total of 2,300. In the gynaecological section, 1,598 cases were admitted during the year.

There are nine resident physicians.

The Montreal General Hospital, Central and Western Divisions, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1938 there were 11,553 admissions, giving a total of 117,846 patient days. The number of patients' visits to the Outpatient Department of both Divisions totals 217,675. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in

conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 331 autopsies performed which represents 93% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1938 was 25,153.

The Children's Memorial Hospital has 300 public beds, and, in 1938, admitted 3,809 patients. The attendance at its out-door department totalled over 26,618 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 99 autopsies during the year, which represents 85.7% of all deaths.

The number of resident physicians is 13.

A short post-graduate course lasting one week is offered during the month of September, before the beginning of the regular session, when clinics, lectures and demonstrations on the more important phases of paediatrics are given.

The Montreal Foundling and Baby Hospital has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1938, 1,183 patients were admitted to the hospital. There were 16 autopsies.

The number of resident physicians is 4.

The Verdun Protestant Hospital has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

The Royal Edward Institute in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

HONORARY LIBRARIAN:—R. L. STEHLE

The Library occupies the central part of the Medical Building, the whole front of the second and third floors, as well as a portion of the first floor. On the third floor is the magnificent reading room, 76 x 24 feet, exceptionally well lighted, and capable of accommodating seventy-five readers. On this floor also are the journal room and private office. The second floor contains the stack room, the book stacks at present containing about 50,000 volumes, as well as eight sections of unbound material in cases, such as hospital reports, university calendars, government publications and theses, and having a total capacity of sixty thousand volumes; also three study rooms. On the first floor are the cataloguing rooms, offices and pamphlet room.

A special feature of the Library is the journal collection, and every effort is being made to complete this section as far as possible, and thus to increase the value of the reference department of the Library. Through the generosity of interested friends there is also a valuable collection of approximately one thousand volumes of early works on the History of Medicine, dating from the fifteenth century. These can be consulted at the Library. The Library is also very rich in ophthalmological material, largely through the interest of Dr. Casey A. Wood, who not only has given his private collection, but has continued each year to send many valuable books and periodicals. Through his generosity, in a short time, the Library will have one of the most complete ophthalmological periodical collections on this continent.

The journal collection is listed in the Catalogue of Scientific Periodicals in Canadian Libraries, and also in the Union List of Serials published by the W. H. Wilson Company.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other colleges showing proper credentials, and registered nurses. It is felt that graduates living at a distance are not aware of the fact that books may be borrowed from the Library on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during term from 9 a.m. to 6 p.m., and 7.30 to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

LIBRARIAN:—W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

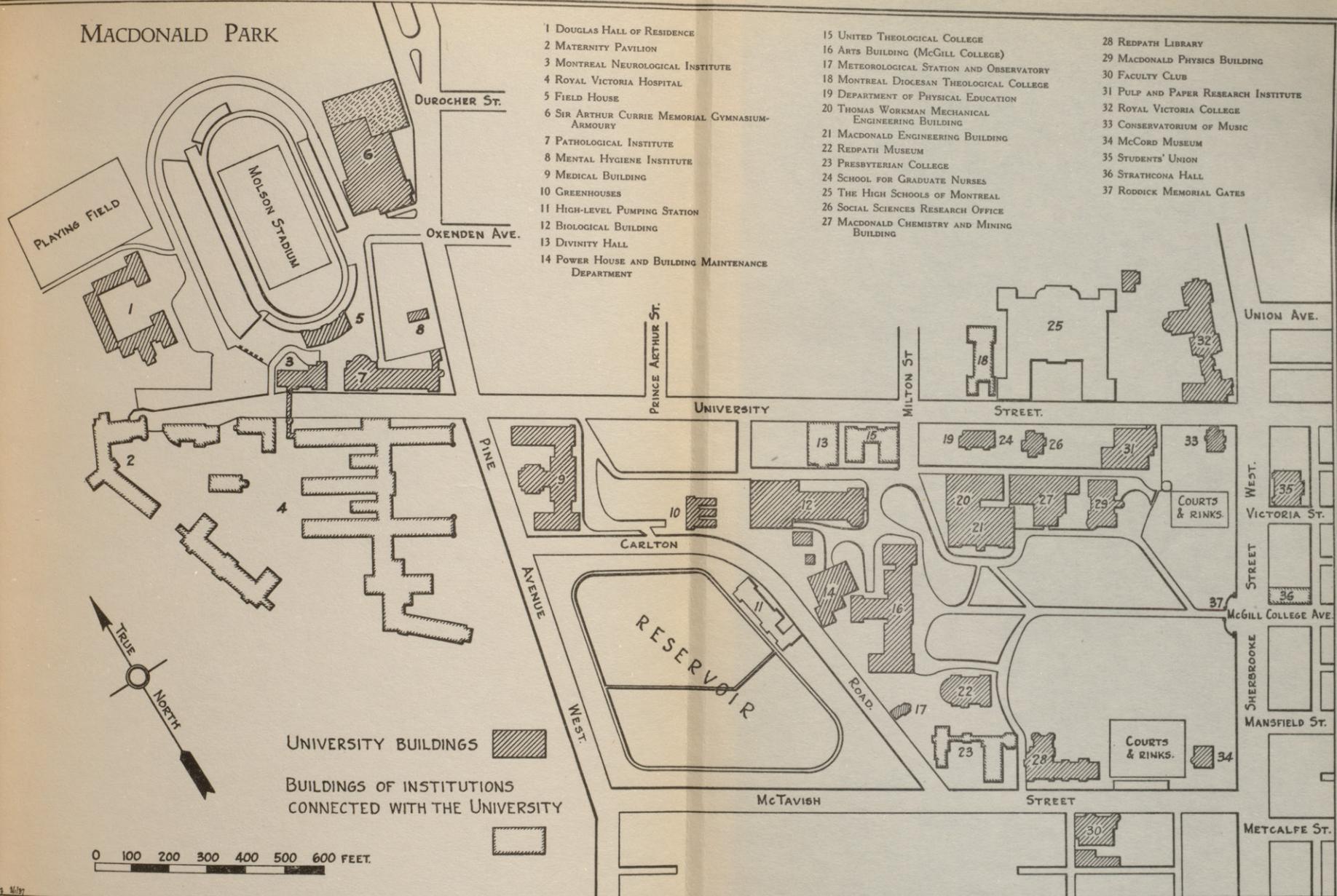
3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussions. Each year an Honorary President has been elected from this older group.

McGill University has been greatly enriched by the gift of the Osler Library, bequeathed by Sir William. Members of the Society are fortunate in having ready access to this unique source of original material, comprising as it does a rare and valuable collection of some 9,000 volumes and pamphlets devoted to the history of science and medicine from the time of Hippocrates.

MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS

McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1940-41

McGILL UNIVERSITY
LIBRARIES



FACULTY OF MEDICINE

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal F. CYRIL JAMES, B.Com., M.A.,
Ph.D., F.R.S.C.

Dean of the Faculty of Medicine J. C. SIMPSON, B.Sc., LL.D.

*Associate Dean of the Faculty of
Medicine* J. C. MEAKINS, M.D., C.M., LL.D.,
F.R.C.P., F.R.S.C.

Secretary and Bursar F. O. STREDDER, M.A., Ph.D.
(on military service)

Registrar T. H. MATTHEWS, M.A.

Assistant Bursar W. BENTLEY, C.G.A., A.C.I.S.

University Librarian GERHARD R. LOMER, M.A., Ph.D.,
F.L.A.

Honorary Medical Librarian R. L. STEHLE, M.A., Ph.D.

*Osler Librarian and Director of the
Museum of the History of Medicine* W. W. FRANCIS, A.B., M.D.

*Assistant Secretary, Faculty of
Medicine* MISS G. D. MUDGE

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

WISCONSIN UNIVERSITY

COLLEGE OF MEDICINE

Faculty and Staff

COLLEGE OF MEDICINE

ADMINISTRATIVE OFFICERS

Dean of the College of Medicine

PROFESSOR FREDERIC C. COOPER

Professor of Anatomy

PROFESSOR H. G. GUNNAR HEDBERG

Professor of Pathology

PROFESSOR M. C. MELVILLE

Professor of Physiology

PROFESSOR A. M. O. SPALDING

Professor of Psychology

PROFESSOR A. M. T. WOOD

Professor of Bacteriology

PROFESSOR W. B. WATSON

Professor of Pharmacology

PROFESSOR R. F. WILSON

Professor of Clinical Pathology

PROFESSOR A. R. YOUNG

Professor of Clinical Medicine

PROFESSOR A. R. YOUNG

Professor of Clinical Surgery

PROFESSOR A. R. YOUNG

Professor of Clinical Pathology

PROFESSOR A. R. YOUNG

FACULTY OF MEDICINE

The one hundredth and eighth session of the Faculty will open on September 4th, 1940, for students of all years.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

PHYSICS—One year of General College Physics with laboratory work.

BIOLOGY.—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

CHEMISTRY:—Two years:—

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 495).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 3rd, 1940. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

2. REPEATING A YEAR.

British students repeating a year pay.....	200.00
Non-British students repeating a year pay.....	250.00

3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of..... \$10.00

5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.

6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session..... 10.00

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$11.00
Regular students (women).....	9.00
Partial students.....	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 3rd to Thursday September 5th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:— $2/3$, $1/6$, and $1/12$ oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine was reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the first week in June, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, is post-graduate, so that those who choose to devote it to internship enter the hospital with all the advantages that accrue from the possession of a medical degree.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty issues to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction is as follows:

FIRST YEAR:

Anatomy, Histology and Embryology, Physiology.

SECOND YEAR:

Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology, Bacteriology, Parasitology, Medicine, Surgery, Obstetrics.

THIRD YEAR:

Special Pathology, Bacteriology and Immunology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, and Medical Jurisprudence,

FOURTH YEAR:

Pathology, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

A. THE MEDICAL COURSE

The academic year is divided into three terms and the minimum period of study required for the degree is twelve terms (four years).

The subjects comprised in the medical course are arranged in two groups:

The Pre-clinical Group:

- Anatomy.
- Histology and Embryology.
- Biochemistry.
- Physiology.
- Pharmacology.

The Clinical Group:

- Bacteriology.
- Pathology.
- Public Health and Preventive Medicine.
- Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
- Surgery (including Urology, Orthopædic Surgery, and Radiology).
- Obstetrics and Gynæcology.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examination the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all required course examinations.

Histology and Embryology: must have satisfactorily completed two terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed three terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least four terms of clinical instruction.

COURSE FOR THE M.D., C.M. DEGREE

Pathology: must have completed at least three terms of work in the subject.

Public Health: must have completed the course and have taken at least three terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of seven terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology.
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.

V. Anæsthesia.

VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.

VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Chairman of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee considers the cases of all students who are reported by their instructors as having fallen below the grade of C and determines whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE.—The "Required Courses," together with suitable "Elective Courses" in the second year, qualify a candidate for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

culation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

<i>Robert Reford Professor and</i>	
<i>Chairman of the Department . . .</i>	C. P. MARTIN
<i>Assistant Professor of Histology . . .</i>	H. SELYE
<i>Lecturer in Histology</i>	A. J. DALTON
<i>Senior Demonstrator in Anatomy . . .</i>	D. S. FORSTER
<i>Demonstrators in Anatomy</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>(F. S. DORRANCE</p> <p>G. A. HOLLAND</p> <p>J. C. LUKE</p> <p>A. M. VINEBERG</p> <p>E. W. WORKMAN</p> </div> <div style="flex: 1;"> <p>FRANCES M. FISHER</p> <p>E. W. WORKMAN</p> <p>W. WALFORD</p> </div> </div>
<i>Demonstrators in Histology</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>EDWIN BROWN</p> </div> <div style="flex: 1;"> <p>F. L. McNAUGHTON</p> <p>F. T. MILES</p> </div> </div>
<i>Teaching Fellows in Anatomy</i>	

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Three hours lectures and six hours laboratory work per week during the Autumn and Winter terms of the First Medical Year.

Text-book—Bailey, "Text-Book of Histology".

Optional Texts—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

Three hours per week lecture and laboratory work during the Spring term of the First Medical Year.

Text-book—Arey, "Developmental Anatomy".

Optional Texts—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

<i>Research Professor and Chairman of the Department</i>	BORIS P. BABKIN
<i>The John Morley Drake Professor</i>	
<i>Assistant Professor</i>	N. GIBLIN
<i>Lecturers</i>	{ S. DWORKIN S. KOMAROV D. A. ROSS
<i>Demonstrator</i>	RHODA GRANT

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Monday, Wednesday, Friday, at 9; and Tuesday at 12; Winter and Spring Terms.

1P. FIRST YEAR LABORATORY.

Six hours a week, Spring Term.

2. SECOND YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9. Autumn Term.

2P. SECOND YEAR LABORATORY (Mammalian).

Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department).

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

<i>Gilman Cheney Professor and</i>				
<i>Chairman of the Department . . .</i>	J. B. COLLIP			
<i>Professor</i>	D. L. THOMSON			
<i>Lecturers in Pathological Chemistry</i>	<table> <tr> <td>J. S. L. BROWNE</td> </tr> <tr> <td>E. H. MASON</td> </tr> <tr> <td>I. M. RABINOWITCH*</td> </tr> </table>	J. S. L. BROWNE	E. H. MASON	I. M. RABINOWITCH*
J. S. L. BROWNE				
E. H. MASON				
I. M. RABINOWITCH*				
<i>Lecturers</i>	<table> <tr> <td>O. F. DENSTEDT</td> </tr> <tr> <td>A. H. NEUFELD</td> </tr> </table>	O. F. DENSTEDT	A. H. NEUFELD	
O. F. DENSTEDT				
A. H. NEUFELD				

The Department offers, in addition to the required lecture and laboratory course, an elective course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

(a) Lectures: Monday, Wednesday, Friday, at 9.

(b) Laboratory: Six hours weekly, Monday morning and Thursday afternoon, or Tuesday afternoon and Friday morning.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

This course is given in the Autumn and Winter terms.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3.

Text-book:—Cameron, "Recent Advances in Endocrinology" (Blakiston).

*On military service.

PATHOLOGY

<i>Strathcona Professor and Chair-</i>	
<i>man of the Department</i>	G. LYMAN DUFF
<i>Professor</i>	L. J. RHEA
<i>Assistant Professor</i>	THEO. R. WAUGH
<i>Lecturers</i>	(J. E. PRITCHARD F. W. WIGLESWORTH*)
<i>Lecturer in Neuropathology</i>	W. V. CONE*
<i>Demonstrators</i>	(E. S. INGRAHAM H. D. CHIPPS)
<i>Douglas Fellow</i>	R. H. MORE
	(E. H. ANDERSON H. L. FOSTER R. D. MCKENNA D. R. MURRAY L. SHAPIRO)
<i>Assistant Demonstrators</i>	

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Waugh and Demonstrators.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
Dr. Ingraham and Dr. Chipps.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Clinical-Pathological Conferences with demonstrations of autopsy material. Once a week during the Autumn, Winter and Spring Terms Professor Duff, and members of the Clinical Staff.

*On military service.

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute..... Professor Duff and Dr. Ingraham.

Montreal General Hospital. Professor Rhea and Dr. Pritchard.

Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik, Julius Springer; Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders).

BACTERIOLOGY AND IMMUNITY

<i>Professor and Chairman of the Department.</i>	E. G. D. MURRAY
<i>Associate Professor.</i>	FREDERICK SMITH
<i>Assistant Professor.</i>	T. E. ROY
<i>Lecturers.</i>	(C. D. KELLY W. H. MATHEWS* C. R. BREWER
<i>Demonstrators.</i>	(D. H. STARKEY N. W. MCLELLAN R. P. DOW L. P. DEMERS M. F. HOWIE
<i>Sessional Lecturer.</i>	J. A. ROMEYN

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.**COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.**

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Lea & Febiger); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan, Text-book of General Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite:—An aggregate standing of high second class must be obtained in the subjects of the First Year.

The Chairman of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; Parasitology, Mycology; Pharmacology.

Fourth Year—Bacteriology Course 3.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 3.

PARASITOLOGY

Professor..... T. W. M. CAMERON

REQUIRED COURSE

HUMAN PARASITOLOGY: This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, and, in the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Strathcona Professor and Chairman

of the Department..... GRANT FLEMING

Associate Professor..... R. ST. J. MACDONALD

Assistant Professor (Mental

Hygiene)..... W. T. B. MITCHELL

Assistant Professor..... FRANK G. PEDLEY

Demonstrator (Mental Hygiene)..... BARUCH SILVERMAN

Demonstrator..... R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term..... Professors Fleming and Mitchell.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term..... Professors Fleming, Macdonald and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term..... Professor Mitchell.

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term..... Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

The General Field:—Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the Department</i>	R. L. STEHLE
<i>Associate Professor of Therapeutics</i>	D. S. LEWIS
<i>Assistant Professor of Pharmacology</i>	K. I. MELVILLE
<i>Lecturers in Therapeutics</i>	D. GRANT CAMPBELL W. DE M. SCRIVER
<i>Lecturer in Anæsthesia</i>	WESLEY BOURNE
<i>Lecturer in Pharmacology</i>	A. M. FRASER

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville, and Dr. Fraser.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville, and Dr. Fraser.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics*, Beckman, Lyon, Reiman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

<i>Professor and Chairman of the</i>	
<i>Department</i>	JONATHAN C. MEAKINS
<i>Professor</i>	L. C. MONTGOMERY*
<i>Associate Professors</i>	E. H. MASON, I. M. RABINOWITCH*
<i>Assistant Professors</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> C. C. BIRCHARD, J. S. L. BROWNE J. KAUFMANN, D. S. LEWIS C. F. MOFFATT, J. B. ROSS </div> <div style="flex: 1;"> C. R. BOURNE, G. R. BROW, D. G. CAMPBELL, KEITH GORDON,* R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. McKECHNIE, E. S. MILLS, W. DE M. SCRIVER </div> </div>
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> L. J. ADAMS, J. O. W. BRABANDER, HUGH BURKE, GORDON A. COPPING,* W. W. EAKIN, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, GUY HAMEL, E. S. HARDING, C. R. JOYCE, W. R. KENNEDY, H. E. MACDERMOT, J. F. MACIVER, J. WENDELL MACLEOD, J. L. D. MASON, D. L. MENDEL, E. E. ROBBINS, H. N. SEGALL, COLIN SUTHERLAND, G. D. TAYLOR, C. J. TIDMARSH, R. VANCE WARD </div> <div style="flex: 1;"> D. BARZA, R. C. BENNETTS, J. G. HOWLETT, J. KILGOUR, L. LOWENSTEIN, J. F. MEAKINS,* HOWARD S. MITCHELL,* S. ORTENBERG, S. L. RICHARDSON, F. MCIVER SMITH, A. T. THOM, S. R. TOWNSEND </div> </div>
<i>Demonstrators</i>	
<i>Assistant Demonstrators</i>	

PSYCHIATRY

<i>Associate Professor</i>	W. T. B. MITCHELL
<i>Clinical Professor</i>	C. A. PORTEOUS
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Lecturers in Neurology</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> A. W. YOUNG N. Viner </div> <div style="flex: 1;"> T. E. DANCEY A. A. MACKAY G. E. READ B. SILVERMAN C. H. SKITCH </div> </div>
<i>Demonstrators</i>	

*On military service.

DERMATOLOGY

<i>Clinical Professors</i>	P. BURNETT (J. F. BURGESS
<i>Lecturer</i>	L. P. EREAUX
<i>Demonstrators</i>	B. USHER (F. E. CORMIA
<i>Assistant Demonstrator</i>	DONALD S. MITCHELL

CLINICAL THERAPEUTICS

<i>Associate Professor</i>	D. S. LEWIS
<i>Lecturers</i>	(D. GRANT CAMPBELL (W. DE M. SCRIVER
<i>Lecturer in Physio-Therapy</i>	NORMAN BROWN
<i>Demonstrator</i>	GUY FISK

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine and Surgery with integration of Physiology, Biochemistry, and Anatomy. This course

is designed to review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year and continues throughout the third year. It is given in the University Medical Building by members of the Departments of Medicine and Surgery.

2. Courses of lectures will be given in Psychiatry and Therapeutics on two afternoons a week during the autumn and winter terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Montgomery and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. MacIntosh and Assistants.

6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Professors Meakins, Montgomery and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) A weekly theatre clinic on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.

Professor W. T. B. Mitchell and Assistants.

(b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals. Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. PHYSIO-THERAPY. Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis and Brown.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures. Professor Rabinowich.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations.* *Malpractice:* Criminal. Civil. Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations.* *Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy.* *Abortion:* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide.* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning—Accident. Suicide. Murder.*

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. **PHYSIO-THERAPY (PRACTICAL):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease. Dr. Brown.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, haematology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry".

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Cledenning, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PAEDIATRICS

<i>Professor and Chairman of the Department</i>	R. R. STRUTHERS
<i>Associate Professor</i>	S. GRAHAM ROSS
<i>Assistant Professors</i>	{ A. GOLDBLOOM L. LINDSAY
<i>Lecturers</i>	{ A. K. GEDDES ALAN ROSS JESSIE BOYD SCRIVER H. P. WRIGHT
<i>Demonstrators</i>	{ P. N. MACDERMOT E. V. MURPHY S. J. USHER
<i>Assistant Demonstrators</i>	{ H. L. BACAL B. BENJAMIN

REQUIRED COURSES

1. **LECTURE COURSE:** A series of thirty-five clinical lectures on paediatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.
2. **INFECTIOUS DISEASES:** A series of demonstrations to groups of students on the ordinary infectious diseases is given at the Alexandra Hospital.
3. **DISEASES OF THE NEW BORN**—Royal Victoria Montreal Maternity Pavilion.
4. **CLINICAL PAEDIATRICS:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including—
 - (a) Normal Infant Feeding, Care and Development—Montreal Foundling and Baby Hospital.

(b) General Paediatrics—Children's Memorial Hospital.

(c) Infectious Diseases—Alexandra Hospital.

Text-books:—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics"; Wright, "Essentials of Infant Feeding and Paediatric Practice"; Goldbloom, "Care of the Child"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books:—Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Paediatrics" (8 volumes); Kanner, "Child Psychiatry".

NEUROLOGY AND NEUROSURGERY

<i>Professor and Chairman of the Department</i>	WILDER PENFIELD
<i>Associate Professor of Neurology</i>	COLIN RUSSEL*
<i>Associate Professor of Neurosurgery</i>	WILLIAM CONE*
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Assistant Professor of Neurosurgery</i>	A. R. ELVIDGE
	DONALD McEACHERN
	F. McNAUGHTON
<i>Lecturers in Neurology</i>	J. N. PETERSEN
	N. Viner
	A. W. YOUNG
<i>Lecturer in Neuropsychiatry</i>	MIGUEL PRADOS
<i>Lecturer in Neurological Roentgenology</i>	A. E. CHILDE*
<i>Lecturer in Neurological Electrography</i>	HERBERT JASPER
<i>Lecturer in Clinical Psychology</i>	MOLLY HARROWER
<i>Lecturer in Neurosurgery</i>	T. C. ERICKSON
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrator in Neurology</i>	J. KERSHMAN
<i>Assistant Demonstrator in Neurosurgery</i>	ROBERT PUDENZ
<i>Assistant Demonstrator in Neuropathology</i>	GUY ODOM
	JAMES T. DANIELS
	ALLISTER I. FINLAYSON
	RICHARD W. FINNER
	S. HUMPHREYS*
	O. W. STEWART*
	ROY L. SWANK

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine and Surgery in their regular teaching.

*On military service.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, Elvidge, McEachern, Childe, Jasper, McNally, Boldrey, Kershman, McNaughton and Erickson.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute.

Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m.

Drs. McNaughton, Petersen and Kershman.

SURGERY

*Professor of Urology and Chairman
of the Department of Surgery.....* F. S. PATCH

Associate Professors..... { F. B. GURD
C. K. P. HENRY
F. E. MCKENTY

Assistant Professor..... J. C. ARMOUR

Lecturers..... { H. L. DAWSON, H. M. ELDER*
R. R. FITZGERALD, G. A. FLEET
J. G. W. JOHNSON, C. A. MCINTOSH*
L. H. MCKIM, G. GAVIN MILLER
D. E. ROSS, A. J. STEWART,
F. J. TEES, A. L. WILKIE

Demonstrators..... { S. G. BAXTER, E. M. COOPER,
J. C. LUKE, S. J. MARTIN,*
H. S. MORTON,* H. F. MOSELEY,
H. G. PRETTY, A. ROSS,
P. G. ROWE

Assistant Demonstrators..... { F. D. ACKMAN, H. A. BAXTER,
H. S. DOLAN, G. A. HOLLAND,
G. D. LITTLE, J. C. SUTTON,
D. W. WEBSTER

*On military service.

UROLOGY

<i>Clinical Professor</i>	E. C. SMITH
<i>Lecturer</i>	R. E. POWELL (A. B. HAWTHORNE)
<i>Demonstrators</i>	M. I. SENG A. M. J. TANNEY
<i>Assistant Demonstrators</i>	M. RATNER R. G. REID

ORTHOPAEDIC SURGERY

<i>Clinical Professors</i>	J. A. NUTTER W. G. TURNER
<i>Lecturers</i>	W. J. PATTERSON N. T. WILLIAMSON
<i>Assistant Demonstrators</i>	J. G. PETRIE* J. G. SHANNON*

ANÆSTHESIA

<i>Lecturers</i>	D. LEIGH C. C. STEWART F. A. H. WILKINSON
<i>Assistant Demonstrator</i>	L. W. RICE

RADIOLOGY

<i>Lecturers</i>	E. C. BROOKS W. L. RITCHIE
<i>Demonstrator</i>	J. W. MCKAY
<i>Assistant Demonstrators</i>	W. W. BRYAN E. M. CRAWFORD

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service.

1. A combined lecture course in collaboration with the Department of Medicine, Neurology, Neuro-Surgery and Radiology, three days a week during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. The combined lecture course in collaboration with the Departments of Medicine, Neurology and Neuro-Surgery and Radiology is continued, two days a week, throughout the year. In this course, lectures in Orthopaedic Surgery, Neurological Surgery and Urology are included.
2. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
3. Group ward classes.
4. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
5. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
6. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals, two days weekly.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Third Year. Ten lectures are given in the combined lecture course.

Fourth Year. Amphitheatre classes, 6 periods.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Third Year. Ten lectures are given in the combined lecture course.

Fourth Year. Amphitheatre classes, 6 periods.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itons"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology."

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations."

OBSTETRICS AND GYNÆCOLOGY

<i>Professor and Chairman of the Department</i>	J. R. FRASER
<i>Associate Professor</i>	A. D. CAMPBELL
<i>Clinical Professor</i>	J. W. DUNCAN
<i>Assistant Professor</i>	W. A. G. BAULD
<i>Lecturers</i>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="flex-grow: 1;"> <p>G. C. MELHADO</p> <p>IVAN PATRICK</p> <p>DOUGLAS GURD</p> <p>J. STEWART HENRY</p> </div> <div style="font-size: small; margin-left: 10px;"> <p>ELEANOR PERCIVAL</p> <p>N. W. PHILPOTT</p> <p>C. V. WARD*</p> </div> </div>
<i>Demonstrators</i>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="flex-grow: 1;"> <p>P. J. KEARNS</p> <p>(K. T. MACFARLANE</p> <p>G. B. MAUGHAN</p> <p>D. W. SPARLING*</p> </div> <div style="font-size: small; margin-left: 10px;"> <p></p> <p></p> <p></p> <p></p> </div> </div>
<i>Clara Law Fellow and Demonstrator</i>	
<i>Assistant Demonstrators</i>	
<i>A. A. Brown Fellow</i>	F. D. JOHNSON
<i>Teaching Fellow</i>	W. R. FOOTÉ

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.

Medical Building. One lecture a week—Spring Term.

Professor Fraser.

2. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department.

Autumn, Winter and Spring Terms.

3. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures.

Autumn, Winter and Spring Terms.

4. Clinical Conferences thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—

A. Normal Labour.....Dr. Melhado.

B. Puerperal Infection.....Dr. A. D. Campbell.

C. Haemorrhages of Pregnancy. Labour and the Puerperium.
Professor Duncan.

D. Toxaemia of Pregnancy.....Dr. Johnson.

E. Dystocia.....Professor Bauld.

7. Care of the New-born.

Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Paediatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. . . . Professor Fraser, Dr. Campbell and Staff.
2. A special course on Gynæcological Pathology. . . . Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. . . . Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

(1) De Lee	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Ten Teachers	Midwifery.
(4) Harper	Clinical Obstetrics.
(5) Bourne	Synopsis of Midwifery and Gynæcology.
(6) Johnson, R. W.	Text book of Midwifery.
(7) Bland	Practice of Obstetrics.
(8) Miller, J.	Manual of Obstetrics.
(9) Appleton	Obstetrical and Gynæcological Monographs.
(10) Peterson	Demonstration Course in Obstetrics.
(11) Irving	Text book on Obstetrics.
(12) Beck	Obstetrical practice.
(13) Adair	Obstetrics.

GYNÆCOLOGY.

(1) Graves	Text book of Gynæcology.
(2) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.

(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Blair Bell	Principles of Gynæcology.
(6) Kelly, Howard	Text book of Gynæcology.
(7) Goodall	Puerperal Infection.
(8) Crossen	Gynæcology.

OPHTHALMOLOGY

<i>Professor and Chairman of the</i>					
<i>Department</i>	S. H. MCKEE				
<i>Lecturer</i>	J. A. MACMILLAN				
<i>Demonstrators</i>	<table> <tr> <td>K. B. JOHNSTON</td> <td rowspan="3">STUART RAMSAY</td> </tr> <tr> <td>J. ROSENBAUM</td> </tr> <tr> <td>R. J. VIGER</td> </tr> </table>	K. B. JOHNSTON	STUART RAMSAY	J. ROSENBAUM	R. J. VIGER
K. B. JOHNSTON	STUART RAMSAY				
J. ROSENBAUM					
R. J. VIGER					
<i>Assistant Demonstrators</i>	<table> <tr> <td>B. ALEXANDER</td> <td rowspan="2">J. V. V. NICHOLLS</td> </tr> <tr> <td></td> </tr> </table>	B. ALEXANDER	J. V. V. NICHOLLS		
B. ALEXANDER	J. V. V. NICHOLLS				

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor McKee and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Final Year.

Ten hours..... Professor McKee.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systematic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor McKee and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

<i>Assistant Professors</i>	{ D. H. BALLON G. E. HODGE
<i>Lecturers</i>	{ W. J. McNALLY R. P. WRIGHT*
<i>Demonstrators</i>	{ K. O. HUTCHISON B. F. MACNAUGHTON G. E. TREMBLE
<i>Assistant Demonstrators</i>	{ A. O. FREEDMAN G. E. M. HILTON E. E. SCHARFE* E. A. STUART

Instruction in Oto-Laryngology is given to students of the third, and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 20 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.
- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155, for British subjects and \$205, for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of \$460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Division, Children's Memorial Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Institute.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University building, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1939 it cared for 14,098 cases, while in its outdoor department 75,389 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 210 post-mortems.

The number of resident physicians is 45.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1939 the obstetrical service cared for 2,004 confinements in the Hospital and 247 in the Out-patient Service. In the gynaecological section, 1,554 cases were admitted during the year.

There are nine resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1939 there were 11,727 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 219,055. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 306 autopsies performed which represents 94% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1939 was 24,761.

THE CHILDREN'S MEMORIAL HOSPITAL has 300 public beds, and, in 1939, admitted 3,455 patients. The attendance at its out-door department totalled over 29,850 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 56 autopsies during the year, which represents 85.7% of all deaths.

The number of resident physicians is 13.

A short post-graduate course lasting one week is offered during the month of September, before the beginning of the regular session, when clinics, lectures and demonstrations on the more important phases of paediatrics are given.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1939, 1,340 patients were admitted to the hospital. There were 11 autopsies.

The number of resident physicians is 4.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 50,000 bound volumes and over 25,000 pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological collection is excellent; its nucleus is the private collection of Dr. Casey A. Wood whose active interest the library still enjoys.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1. p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION

ADMISSION TO THE UNIVERSITY

1. ENTRANCE REQUIREMENTS.

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

2. APPLICATION FORMS.

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry, and to the School of Physical Education may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

3. ADMISSION TO THE UNIVERSITY.

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

4. INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS.

British students do not require passports to enter Canada but may require them if they wish to return and they are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS.

American students do not require passports. Naturalized citizens should carry their naturalization certificates and residents of that country who are not citizens should carry evidence that they are legally in the United States and that they may return upon completion of their studies.

OTHER STUDENTS.

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

MEDICAL EXAMINATION.

In order to promote as far as possible the physical welfare of the student body, first year students in all faculties, students in the second year in Arts, Science and Commerce, and all students coming to the University for the first time are required to be medically examined.

A student repeating a year in which medical examination is compulsory must be re-examined.

The medical examinations are conducted daily for a period of about two weeks at the beginning of the session. Subsequently special periods may be arranged for students who register late. The hours of all examination periods are announced on the notice boards throughout the University at the beginning of the Session.

Any student who has failed to comply with this regulation before the 1st of November is fined \$5.00. Any student who has failed to comply before the 8th of November is fined an additional \$5.00. Any student who has failed to comply before the 15th of November is suspended.

Re-examinations are held frequently throughout the session for those students who are of low category or who are suffering from physical disability.

Students of all years who wish to participate in competitive athletics or engage in moderate physical exercise are required to be medically examined.

The above are the normal peace-time regulations of the University. During the war other students desiring or required to take military training must also be examined.

VACCINATION.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years. Failing this, students must be vaccinated at once in a manner satisfactory to the medical examiner.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH SERVICE.

The object of the Department of Physical Education is to make and keep the students physically fit. To this end numerous voluntary activities are organized so that every student may participate in some form of physical activity and recreation.

Provision is made by the Department for the care of the health of undergraduates *during the session* but not during vacations. If a student's admission to hospital is requisitioned for by the Department, but not otherwise, one half of all public ward charges is paid by the University, provided that the total obligation assumed by the University does not exceed \$125 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him. A student who receives treatment by a private practitioner without having first obtained a requisition form from the Department, must bear all expenses involved. A student who has received medical attention as the result of sickness or injury must be declared fit by the University Medical Officer before he may resume participation in University physical activities.

Partial students are not entitled to the above services.

The University's contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur or for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. If, however, in any such case, a recommendation is made in writing by the Department of Physical Education, but not otherwise, the University may pay the whole or such portion of the medical or hospital expenses as is covered by such written recommendation. All cases of athletic injury requiring medical treatment or hospital accommodation must be reported immediately to the Director or the University Medical Officer. In cases of emergency, the Royal Victoria Hospital or the Montreal General Hospital accepts cases but these must be reported to the Department of Physical Education, as well as to the Athletics Manager, within forty eight hours.

No dental treatment is supplied by the University.

A leaflet concerning health service and the general work of the Department is given to every student at the beginning of the session.

BOARD AND RESIDENCE

I. FOR MEN

DOUGLAS HALL.

Douglas Hall, the University residence for men, was opened in September, 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. There are also a limited number of separate study-bedrooms. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc. Application forms may be obtained from the Warden's Office.

HALL FEES, INCLUDING BOARD AND RESIDENCE:

FACULTY	PER SESSION
Arts and Science, Engineering, and Law.....	\$360.00
Third and fourth years of Dentistry.....	380.00
The first two years of Dentistry and all years of Medicine.....	420.00

One half the fee is payable at the beginning of the session, and the balance on the 1st of February.

LODGINGS.

Residential accommodation is provided for about 60 students in Strathcona Hall, the home of the Student Christian Movement in McGill University. Full particulars may be obtained from the Secretary, 772 Sherbrooke Street West, Montreal, who also makes arrangements to have students who are strangers to Montreal met on arrival and helped to secure lodgings, if due notice is sent of the station and time of arrival.

Board and lodging for men may also be obtained in the Diocesan College, the United Theological College, and the Presbyterian College, which are affiliated with the University.

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University, is issued by the Lodgings Committee. This list which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, Strathcona Hall, and other University Buildings. The list is not sent by mail.

Board is furnished in the McGill Union at low rates.

The cost of board and lodging in approved rooms varies from \$35 to \$60 per month. Separately, good board costs from \$25, and a room from \$12 upwards per month.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

Founded and Endowed by the late Rt. Hon. Baron Strathcona
and Mount Royal

THE BUILDING.

The College building, surrounded by garden and tennis courts, was erected in 1899 at the head of Union Avenue upon land adjacent to the University Campus. It was enlarged by the erection of a new wing in 1930-31.

The building provides an academic, administrative, and recreational centre for resident and non-resident students. It is situated on Sherbrooke Street, in close proximity to the University buildings, and within easy reach of Mount Royal Park. The building is fire-proof, and much thought and artistic care have been given to furnishing and decoration.

The College contains study-bedrooms for 110 students, with reception rooms and a modern infirmary. An adequate number of resident tutors live in the College.

Each student has a room of her own. These are completely furnished and no article of furniture need be brought by the students.

ADMISSION.

Students are required to enter on the roll book of the College their names, home addresses, and addresses in Montreal. Students not residing with their parents or guardians in Montreal are expected to apply for residence at the College. Those who do not so apply are required to submit their plans for residence to the Warden and to obtain written approval.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the University. All students entering the University for the first time are required, according to municipal regulations, to present a certificate or other satisfactory evidence of successful vaccination. No student who has an infectious illness or who comes from a house in which there has been an infectious illness within a month, may enter or return to the College without giving notice and obtaining the consent of the Warden. The health of the residential students is in charge of a physician, Dr. W. F. Hamilton, who may be consulted, free of charge, by arrangement with the Warden. Every student applying for admission to residence is required to fill in an entrance form and to forward a medical certificate on a form provided by the College.

Students of the College have the use of the University Library. There is also a College Library, in charge of a trained Librarian, comprising works of general literature and the chief stated books required for

the University curricula. The College Library and Reading Room are open to resident students from 9 a.m. to 11 p.m. and to non-resident students from 9 a.m. to 6 p.m. (on Saturdays from 9 a.m. to 1 p.m.).

The Warden's business hours are 10 a.m. to 1 p.m.; at other times, by special appointment. She will be glad to meet all students before the opening of the session and to discuss their plan of work then or at any other time during the session.

Applications for admission should be addressed to the Warden, Royal Victoria College, Montreal.

BOARD AND RESIDENCE.

Residence in the College is open to graduate students, undergraduates, and, in exceptional circumstances, to partial students. Application for residence should be made early, as accommodation in the college is limited. *No room is assigned for a shorter period than the University Session.* The charge for board and residence, in addition to the sessional fee for tuition, is \$450 (\$175 for room, \$275 for board). This may be paid in two equal instalments of \$225 each, in October and February. Room rent includes all expenses of heat and light. These charges cover the period of the University session from the first day of registration (September 29th) to the close of the examinations (for members of the graduating class, to the day after Convocation). A deposit fee of \$20.00 is required when a room is reserved, and is deducted from the charges for the first term.

Students entering earlier or remaining later for purposes of instruction, practice teaching, or examination are charged an additional fee of \$1.50 a day.

Notice of withdrawal should be given at the close of the session, or no later than September 1st. Rooms are not reserved for students whose standing at the end of the session does not entitle them to proceed to the next year.

RADIOS.

No radios may be installed in the College unless they are approved by recognized fire underwriters. Midget sets are not so approved.

FEES

I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fees are (1) Caution Money which is returnable (*see page 98*) and (2) the Students' Society Fee (*see page 98*).

FULL-TIME REGULAR STUDENTS.

Arts.....	\$230.00
Science.....	250.00
Engineering.....	275.00
Medicine (British students).....	375.00
Medicine (Non-British students).....	475.00
Dentistry (British students).....	325.00
Dentistry (Non-British students).....	365.00
Law.....	250.00
Library School.....	165.00
Commerce.....	250.00
Graduate Faculty.....	145.00 165.00*
School of Physical Education.....	215.00
School for Graduate Nurses.....	165.00

*The higher fee if laboratory courses are taken.

CONDITIONED STUDENTS.

Special fee for an additional course repeated or substituted (one full course or two half courses).....	\$10.00
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LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE.

First and Second Years, per course.....	\$55.00
Other years, per course.....	65.00

PARTIAL STUDENTS.

Per hour of instruction per week for a full course:—

Arts and Science.....	\$20.00
Commerce.....	20.00
Engineering.....	10.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Some of the facilities offered by the Department of Physical Education are available to partial students. Information concerning these and their cost may be obtained from the Department or from the Registrar's office.

PAYMENTS BY INSTALMENTS.

All fees may be paid in two instalments, one at the beginning of the session and one in January. In such cases the fees stated above are increased by an instalment fee of Five Dollars.

II. SPECIAL FEES

Late registration (first week) extra.....	\$ 5.00
Late registration (second week) extra.....	10.00
Late payment fee (after specified date).....	2.00
Fine for late medical examination (<i>see page 92</i>).....	5.00 or 10.00
Graduation <i>in absentia</i>	10.00
Duplicate diploma.....	10.00
Certified copy of student's record.....	1.00
Additional copies (at same time).....	.50
Certificate of exemption from Matriculation.....	2.00
Supplemental examinations, each paper.....	10.00
Rental of microscope (<i>for students in Dentistry</i>).....	7.50

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of \$5.00.

III. CAUTION MONEY

Every student is required to make a deposit of \$10 as Caution Money to cover damage to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

IV. STUDENTS' SOCIETY FEES

An annual fee of \$10 is payable by all men undergraduates and an annual fee of \$8 is payable by all women undergraduates for the support of student organizations.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$4.00; Undergraduate Society \$1.00.

The women's fee is distributed as follows: Women's Union \$2.50; McGill Daily \$1.50; Students' Executive Council \$4.00.

Fees for the use of the gymnasium, the rinks, and tennis courts, and free admission to all home games of University teams are included in the University Fees given on page 97.

GENERAL REGULATIONS

1. Fees are due and payable at the Bursar's Office at the beginning of the session in September or October, and the second instalment is payable in January. For exact dates see the announcements of the separate Faculties.

2. All fees for British students are payable in Canadian currency. Students from non-British countries will normally be expected to pay all fees in United States dollars but will be entitled to the advantage of the premium fixed by the Foreign Exchange Control Board. At the present rate of exchange the exact equivalent in United States dollars may be computed by taking a discount of 9.09% from the fees shown in the University Announcements.
3. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.

Further details concerning fees in the Faculty of Graduate Studies and Research are given in the Announcement of that faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO
STUDENTS WHO LEAVE THE UNIVERSITY DURING
THE COURSE OF THE ACADEMIC YEAR.

1. That in the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
2. That in the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
 - (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
 - (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
3. No fees will be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
4. Board and residence fees are payable for the full academic year and will not be refunded.
5. Students' Activities fees will not be refunded.

EXPENSES

It will be seen that each student pays annually three fees (1) his inclusive University fee (2) a Student's Activity fee (3) a caution money deposit. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these three fees and

the cost of board and lodging (*see pages 94 to 96*). Books are necessarily a variable expense, but probably \$20 a year would be about their average cost. Personal expenditure upon clothes, amusements, etc. is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

The Students' Council runs an Employment Agency which helps students to obtain summer work and, when possible, part-time work during the session. Students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

SPORTS FOR MEN

Normally there is organized competition with other Canadian and American Colleges in sixteen or seventeen different sports, but inter-collegiate athletics have been suspended for the duration of the present war. In their place the University has organized a wide programme of intra-mural competition and voluntary games. The Sir Arthur Currie Memorial Gymnasium, opened in 1939, provides accommodation for many indoor activities, while Mount Royal in Montreal, and the Laurentian Mountains north of Montreal, provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

CALENDAR FOR THE SESSION 1941-42

1941

September 2nd, Tuesday. Students register in all years of Medicine and in the first two years of Dentistry.

Public Health Nursing students report for field work.

Last day for filing graduate theses for Autumn Convocation.

Summer School in Mechanical Engineering begins.

High School Diploma Students report for training in the Department of Education.

September 3rd, Wednesday. Lectures begin in all years of Medicine and in the first two years of Dentistry.

Seminars and field work begin for High School Diploma Students.

September 4th, Thursday. Supplemental Examinations begin in Dentistry.

September 8th, Monday. Matriculation Examinations begin.

September 8th, Monday, and September 9th, Tuesday. Students register in Third and Fourth Years Dentistry.

September 10th, Wednesday. Lectures begin in Third and Fourth Years Dentistry.

September 11th, Thursday. Supplemental Examinations begin in Engineering and Architecture.

September 12th, Friday. Teaching and Supervision and Administration students report for field work in the School for Graduate Nurses.

September 13th, Saturday. Last day for reports on Ph.D. theses.

September 15th, Monday. Supplemental Examinations begin in Arts and Science, and Commerce.

Special summer school in Surveying begins.

Architectural Sketching School begins.

Students register in the School of Physical Education.

Conservatorium of Music opens for practical work.

September 15th, Monday to September 20th, Saturday. Final orals for Ph.D.

September 16th, Tuesday. Lectures begin in the School of Physical Education.

September 17th, Wednesday. Candidates' applications received at Dean's Office, Faculty of Graduate Studies and Research.

September 19th, Friday, and September 20th, Saturday. Students register in the Library School.

September 20th, Saturday. Last day for reports on all graduate theses and examinations.

September 22nd, Monday. Lectures begin in the Library School.

September 24th, Wednesday, to October 1st, Wednesday. Students register in Law and First Year Engineering and Architecture; also others in Engineering and Architecture who have no conditions.

September 29th, Monday, to October 1st, Wednesday. Students register in Arts and Science, Commerce, and the School for Graduate Nurses.

September 29th, Monday. Lectures begin in Music.

September 30th, Tuesday. Conditioned students register in Engineering and Architecture.

October 2nd, Thursday. Lectures begin in Arts and Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, and the School for Graduate Nurses.

October 4th, Saturday. Last day for receiving candidates' applications in the Faculty of Graduate Studies and Research.

October 6th, Monday. Founder's Day. Convocation.

(James McGill born October 6th, 1744, died December 19th, 1813.)

*..... Thanksgiving Day. No lectures.

October 17th, Friday. Sports Day. No lectures.

October 18th, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research.

October 24th, Friday. Last day for handing in Summer Essays and submitting Certificates regarding summer employment in the Faculty of Engineering.

November 11th, Tuesday. Remembrance Day. No lectures.

December 1st, Monday, to December 10th, Wednesday. Examinations in French and German for Ph.D. students.

December 12th, Friday. First Term ends in the Library School.

December 17th, Wednesday, to December 19th, Friday. Examinations in the Library School.

December 19th, Friday. Last day of lectures in all Faculties and Schools

1942

January 5th, Monday. Lectures resumed in all Faculties and Schools except Architecture and the first three years of Engineering.

January 5th, Monday, to January 7th, Wednesday. First term examinations in Architecture and first three years of Engineering.

January 8th, Thursday. Second term begins in Architecture and first three years of Engineering.

January 10th, Saturday. First term ends in Law.

January 12th, Monday. First term examinations begin in Arts and Science, Commerce, Fourth Year Engineering, Physical Education, and the School for Graduate Nurses.

Second term begins in Law.

*Thanksgiving Day will be a University Holiday. The date will be proclaimed later by the Dominion Government.

January 16th, Friday. Second term begins in Arts and Science, Commerce, Fourth Year Engineering, Physical Education and the School for Graduate Nurses.

February 10th, Tuesday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

March 26th, Thursday, to April 2nd, Thursday. Library School trip.

April 3rd, Friday, to April 6th, Monday (inclusive). Easter Vacation.

April 9th, Thursday. Lectures end in first three years of Engineering and in all years of Architecture.

April 13th, Monday. Examinations begin in first three years of Engineering and in all years of Architecture.

April 18th, Saturday. Last day for filing Ph.D theses.

April 23rd, Thursday. Last day for filing Masters' theses not involving experimental work.

April 25th, Saturday. Lectures end in all Faculties and Schools except Medicine, the Library School, and Music.

April 29th, Wednesday. Examinations begin in Arts and Science, Commerce, Dentistry, Fourth Year Engineering, Law, Physical Education, Agriculture, Household Science, and the School for Graduate Nurses.

April 29th, Wednesday. Examinations begin in Theory of Music.

May 1st, Friday. Lectures end in the Library School

May 2nd, Saturday. Last day for filing Masters' theses involving experimental work.

May 6th, Wednesday. Examinations begin in the Library School.

May 7th, Thursday. Practical examinations begin in Music.

May 8th, Friday. Examinations begin in Higher Theoretical Music.
Last day for reports on Ph.D. theses and for reports on graduate examinations.

May 9th, Saturday. Lectures end in Music.

May 9th, Saturday, to May 16th, Saturday. Final orals for Ph.D.

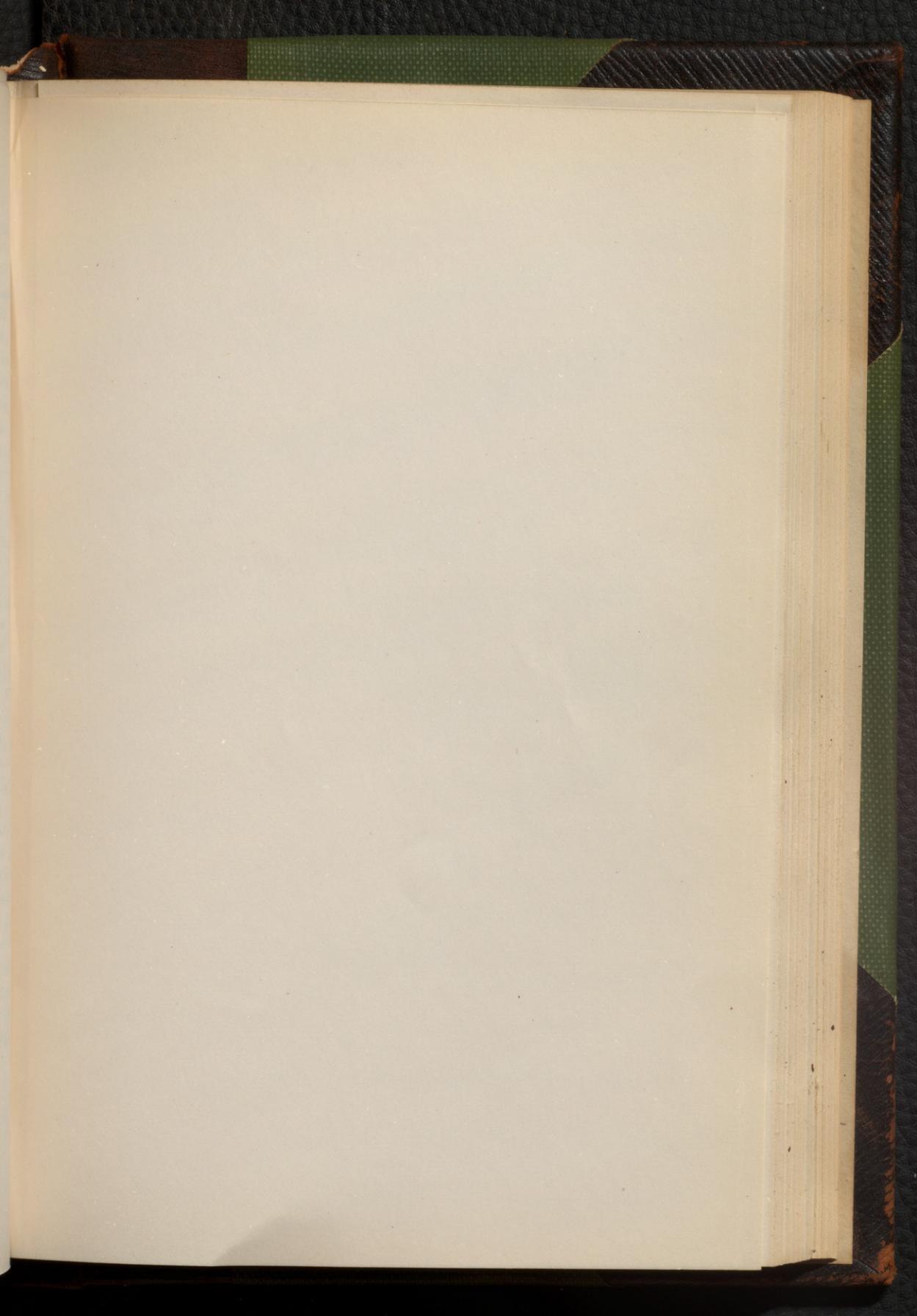
May 11th, Monday, to May 22nd, Friday. Practice work in the Library School.

May 13th, Wednesday. Last day for reports on Master's theses.

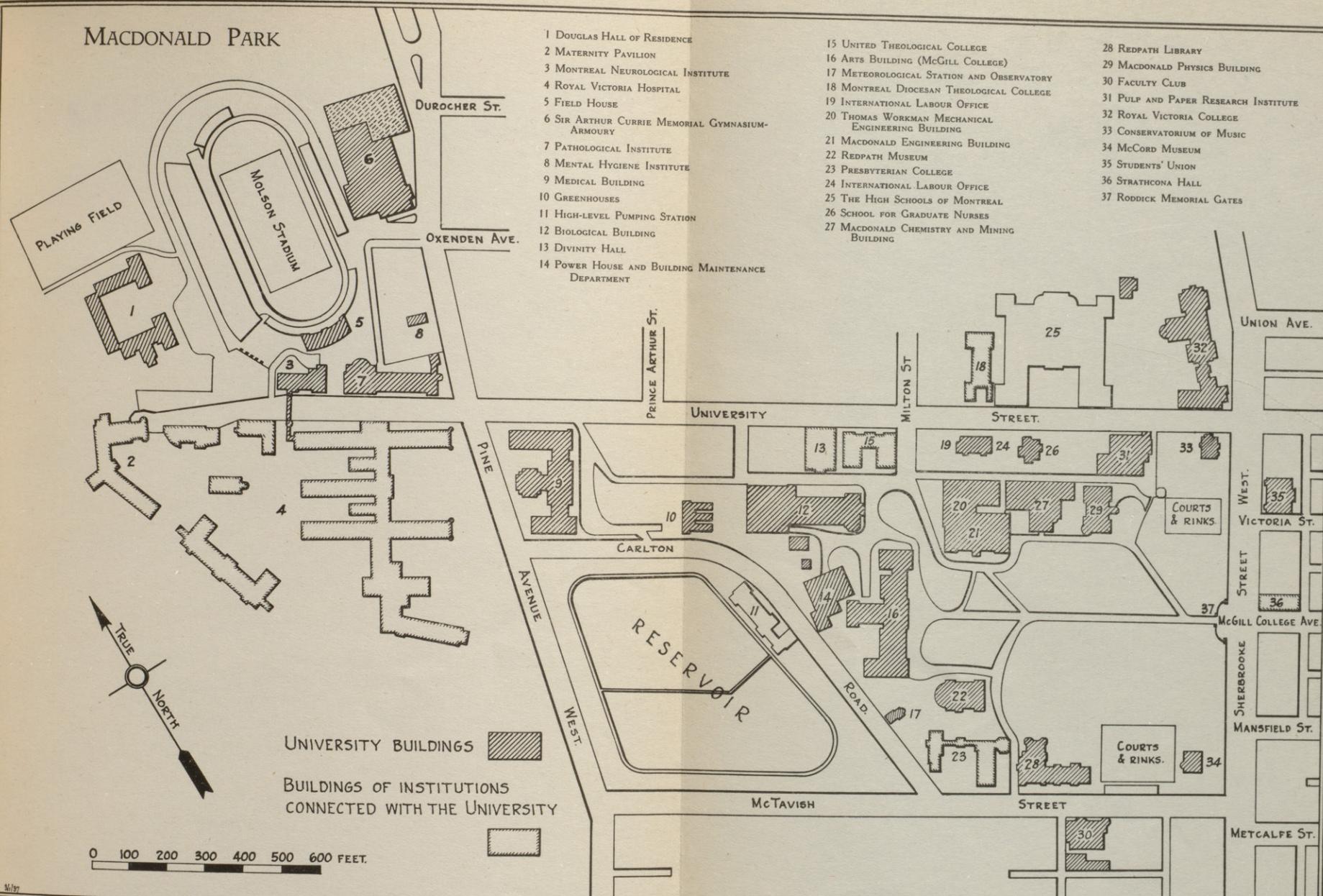
May 24th, Sunday. Victoria Day.

May 27th, Wednesday. Convocation.

June 15th, Monday. Matriculation Examinations begin.

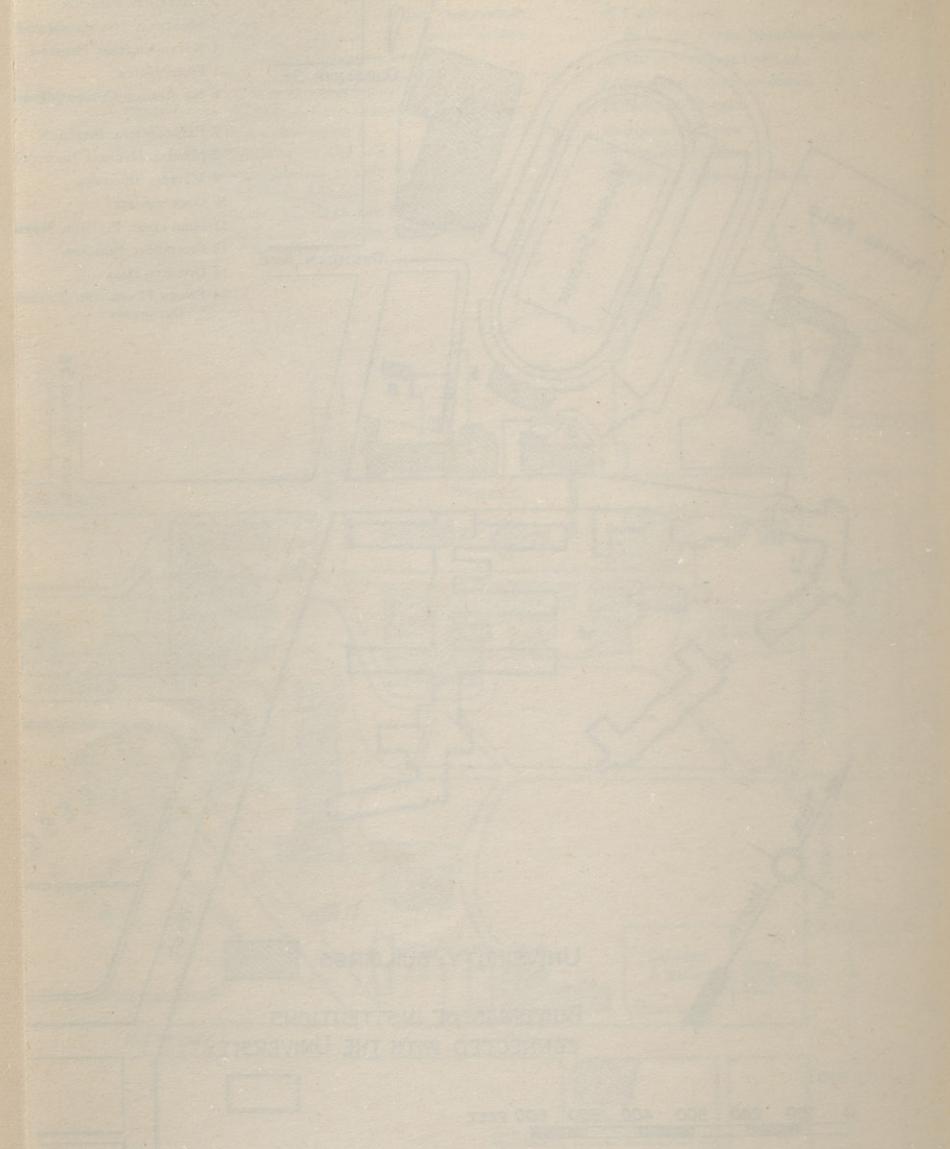


MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS

McKIM, MEAD & white



McGraw-Hill

McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1941 - 1942

MEIJI UNIVERSITY

MONOGRAPH



DEPARTMENT OF MEDICINE

1951-1952

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal F. CYRIL JAMES, Ph.D., D.C.L.

Dean of the Faculty J. C. MEAKINS, M.D., C.M., LL.D.,
F.R.C.P., F.R.S.C.

Secretary of the Faculty J. F. MCINTOSH, B.A., M.D., C.M.

Bursar W. BENTLEY, C.G.A., A.C.I.S.

Registrar T. H. MATTHEWS, M.A.

University Librarian GERHARD R. LOMER, M.A., Ph.D.,
F.L.A.

Honorary Medical Librarian R. L. STEHLE, M.A., Ph.D.

*Osler Librarian and Director of the
Museum of the History of Medicine* W. W. FRANCIS, A.B., M.D.

Assistant Secretary of the Faculty MISS G. D. MUDGE

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

MCCHT. UNIVERSITY

COLLEGE OF MEDICINE

EDWARD GIBBON BROWN

1870. A.D. 1870. The following is a list of the

books, &c. given to the library of the Medical

College of Medicine, Boston, by the

Rev. Dr. A. B. Barnes, of the First Congregational

Church, Boston, in memory of his wife, Mrs.

Amelia Barnes, who died on the 10th of April,

1869. A. B. Barnes, A. M., LL. B., M. D.,

1870. A. B. Barnes, A. M., LL. B., M. D.,

1870. A. B. Barnes, A. M., LL. B., M. D.,

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1870. A. B. Barnes, A. M., LL. B., M. D.,

FACULTY OF MEDICINE

The one hundredth and ninth session of the Faculty will open on September 3rd, 1941, for students of all years.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

PHYSICS—One year of General College Physics with laboratory work.

BIOLOGY.—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

CHEMISTRY:—Two years:—

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 495).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 2nd, 1941. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES
UNIVERSITY FEES

1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

2. REPEATING A YEAR.

British students repeating a year pay.....	200.00
Non-British students repeating a year pay.....	250.00

3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE.

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.

6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....	10.00
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STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$11.00
Regular students (women).....	9.00
Partial students.....	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 2nd to Thursday September 4th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine was reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the first week in June, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, is post-graduate, so that those who choose to devote it to internship enter the hospital with all the advantages that accrue from the possession of a medical degree.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty issues to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction is as follows:

FIRST YEAR:

Anatomy, Biochemistry, Histology and Embryology, Physiology.

SECOND YEAR:

Anatomy, Physiology, Pharmacology, General Pathology, Bacteriology, Parasitology, Medicine, Surgery, Obstetrics.

THIRD YEAR:

Special Pathology, Bacteriology and Immunology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, and Medical Jurisprudence,

FOURTH YEAR:

Pathology, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

A. THE MEDICAL COURSE

The academic year is divided into three terms and the minimum period of study required for the degree is twelve terms (four years).

The subjects comprised in the medical course are arranged in two groups:

The Pre-clinical Group:

Anatomy.
Histology and Embryology.
Biochemistry.
Physiology.
Pharmacology.

The Clinical Group:

Bacteriology.
Pathology.
Public Health and Preventive Medicine.
Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
Surgery (including Urology, Orthopædic Surgery, and Radiology).
Obstetrics and Gynaecology.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examination the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all required course examinations.

Histology and Embryology: must have satisfactorily completed two terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed three terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least four terms of clinical instruction.

Pathology: must have completed at least three terms of work in the subject.

Public Health: must have completed the course and have taken at least three terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of seven terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology.
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.

V. Anæsthesia.

VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.

VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Chairman of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee considers the cases of all students who are reported by their instructors as having fallen below the grade of C and determines whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, qualify a candidate for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

culation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

*Robert Reford Professor and
Chairman of the Department . . . C. P. MARTIN*

Assistant Professor of Histology . . . H. SELYE

Lecturer in Histology C. P. LEBLOND

Senior Demonstrator in Anatomy . . . D. S. FORSTER

Demonstrators in Anatomy { F. S. DORRANCE
G. A. HOLLAND
A. M. VINEBERG
E. W. WORKMAN

Demonstrators in Histology { E. W. WORKMAN
W. WALFORD

Teaching Fellows in Anatomy { CHRISTIANE DOSNE
F. L. MCNAUGHTON
S. M. FRIEDMAN

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work from September to the end of February of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

<i>Research Professor and Chairman</i>	
<i>of the Department</i>	BORIS P. BABKIN
<i>The Joseph Morley Drake Professor</i>	
<i>Assistant Professor</i>	N. GIBLIN
<i>Lecturers</i>	(S. DWORKIN S. A. KOMAROV D. A. ROSS)
<i>Demonstrator</i>	RHODA GRANT

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m. (beginning in November).

1P. FIRST YEAR LABORATORY.

Six hours a week, Spring Term.

2. SECOND YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m., Autumn Term.

Tuesday and Saturday, 10 a.m., Winter Term.

2P. SECOND YEAR LABORATORY (Mammalian).

Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

Professor..... D. L. THOMSON

Lecturers in Pathological Chemistry..... { J. S. L. BROWNE
E. H. MASON
I. M. RABINOWITCH*

Lecturer..... O. F. DENSTEDT

The Department offers, in addition to the required lecture and laboratory course, a course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

- (a) Lectures: In the second half of the first year and during the first and second terms of the second year, Monday, Wednesday, Friday, at 9.
- (b) Laboratory: Six hours weekly. This course is given in the second half of the first year and the first two terms of the second year.

Text-books—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3.

Text-book—Cameron, "Recent Advances in Endocrinology" (Blakiston).

*On military service.

PATHOLOGY

<i>Strathcona Professor and Chair-</i>	
<i>man of the Department</i>	G. LYMAN DUFF
<i>Professor</i>	L. J. RHEA
<i>Associate Professor</i>	THEO. R. WAUGH
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>J. E. PRITCHARD</p> <p>E. S. INGRAHAM</p> <p>C. L. YUILE</p> </div> <div style="flex: 1;"> <p>F. W. WIGGLESWORTH*</p> </div> </div>
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrator</i>	H. L. FOSTER
<i>Douglas Fellow</i>	R. H. MORE
<i>Teaching Fellow</i>	C. L. WILSON

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.

B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.

2. COURSE IN SPECIAL PATHOLOGY (Third Year).

A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.

B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.

C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
Dr. Yuile, Dr. Ingraham and Dr. Foster.

3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms..... Professor Duff.

*On military service.

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute..... Professor Duff and Dr. Ingraham.
Montreal General Hospital. Professor Rhea and Dr. Pritchard.
Children's Memorial Hospital.....

Text Books—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General—Aschoff, Pathologische Anatomie (Gustav Fischer); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology—Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders), Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

<i>Professor and Chairman of the Department</i>	E. G. D. MURRAY
<i>Associate Professor</i>	FREDERICK SMITH
<i>Assistant Professor</i>	T. E. ROY
<i>Lecturers</i>	(C. D. KELLY W. H. MATHEWS* C. R. BREWER)
<i>Sessional Lecturer</i>	D. FLEMING
<i>Demonstrators</i>	(D. H. STARKEY N. W. MCLELLAN R. P. DOW G. G. KALZ)

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.**COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.**

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Lea & Febiger); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan, Textbook of General Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas).

PARASITOLOGY

*Professor and Chairman of the
Department.....* T. W. M. CAMERON
Lecturers..... { H. BRUCE COLLIER
 IVAN W. PARNELL*

REQUIRED COURSE

HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book: Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman
of the Department.....* GRANT FLEMING
Associate Professor..... R. ST. J. MACDONALD
Assistant Professor..... FRANK G. PEDLEY
Demonstrator (Mental Hygiene) .. BARUCH SILVERMAN
Demonstrator..... R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

*On Military Service.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term..... Professor Fleming.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term..... Professors Fleming, Macdonald and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term.....Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

The General Field:—Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

Industrial Hygiene:—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene:—The Mental Hygiene of Childhood, White

PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the</i>	
<i>Department</i>	R. L. STEHLE
<i>Associate Professor of</i>	
<i>Therapeutics</i>	D. S. LEWIS
<i>Assistant Professor of</i>	
<i>Pharmacology</i>	K. I. MELVILLE
<i>Lecturers in Therapeutics</i>	(D. GRANT CAMPBELL W. DE M. SCRIVER)
<i>Lecturer in Anaesthesia</i>	WESLEY BOURNE
<i>Lecturer in Pharmacology</i>	A. M. FRASER*
<i>Demonstrator</i>	A. B. TEMPLE*

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

*On Military Service.

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

<i>Professor and Chairman of the</i>	
<i>Department</i>	JONATHAN C. MEAKINS
<i>Professor</i>	L. C. MONTGOMERY*
<i>Associate Professors</i>	E. H. MASON, I. M. RABINOWITCH*
<i>Assistant Professors</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> C. C. BIRCHARD, J. S. L. BROWNE J. KAUFMANN, D. S. LEWIS C. F. MOFFATT, J. B. ROSS </div> <div style="flex: 1;"> C. R. BOURNE, G. R. BROW, D. G. CAMPBELL, KEITH GORDON,* R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. McKECHNIE, E. S. MILLS, W. DE M. SCRIVER E. M. HUNTER </div> </div>
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> L. J. ADAMS, J. O. W. BRABANDER, HUGH BURKE, GORDON A. COPPING,* W. W. EAKIN, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, GUY HAMEL, C. R. JOYCE, W. R. KENNEDY, H. E. MACDERMOT, J. F. MACIVER, J. WENDELL MACLEOD*, J. L. D. MASON, D. L. MENDEL, H. N. SEGALL, COLIN SUTHERLAND, G. D. TAYLOR*, C. J. TIDMARSH, R. VANCE WARD </div> <div style="flex: 1;"> D. BARZA, R. C. BENNETTS, J. G. HOWLETT*, J. KILGOUR, L. LOWENSTEIN*, J. F. MEAKINS,* HOWARD S. MITCHELL,* S. ORTENBERG, S. L. RICHARDSON, F. MCIVER SMITH, A. T. THOM, S. R. TOWNSEND </div> </div>
<i>Demonstrators</i>	
<i>Assistant Demonstrators</i>	

PSYCHIATRY

Clinical Professor..... C. A. PORTEOUS

Clinical Professor of Neurology F. H. MACKAY

Lecturers in Neurology.....

(A. W. YOUNG
N. Viner)
G. E. READ	(
T. E. DANCEY)

Demonstrators.....

(A. A. MACKAY
B. SILVERMAN)
C. H. SKITCH	(
MILTON GRAY)

*On military service.

DERMATOLOGY

<i>Clinical Professors</i>	{ P. BURNETT J. F. BURGESS
<i>Lecturers</i>	{ L. P. EREAUX B. USHER F. E. CORMIA
<i>Demonstrator</i>	DONALD S. MITCHELL

CLINICAL THERAPEUTICS

<i>Associate Professor</i>	D. S. LEWIS
<i>Lecturers</i>	{ D. GRANT CAMPBELL W. DE M. SCRIVER
<i>Lecturer in Physio-Therapy</i>	NORMAN BROWN
<i>Demonstrator</i>	GUY FISK

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine with integration of Physiology, Biochemistry, and Anatomy. This course is designed to

review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year. It is given in the University Medical Building by members of the Departments of Medicine and Surgery.

2. Courses of lectures will be given in Psychiatry and Therapeutics during the autumn and winter terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professor Meakins and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital.

Professor Meakins and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

- (a) A weekly theatre clinic on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.
- (b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals. Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. PHYSIO-THERAPY. Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis, Brown and Fisk.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures. Professor Rabinowich*.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations.* *Malpractice:* Criminal. Civil. Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations.* *Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy.* *Abortion:* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide:* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

*On military service.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning—Accident. Suicide. Murder.*

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. **PHYSIO-THERAPY (PRACTICAL):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

Dr. Brown.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, haematology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry".

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Cledening, "Methods of Treatment"; "Pharmacopœa of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

<i>Professor and Chairman of the Department</i>	R. R. STRUTHERS
<i>Associate Professor</i>	S. GRAHAM ROSS
<i>Assistant Professors</i>	{ A. GOLDBLOOM L. LINDSAY
	{ A. K. GEDDES* ALAN ROSS
<i>Lecturers</i>	{ JESSIE BOYD SCRIVER H. P. WRIGHT
	{ P. N. MACDERMOT E. M. WORDEN
<i>Demonstrators</i>	{ S. J. USHER H. L. BACAL* B. BENJAMIN

REQUIRED COURSES

1. **LECTURE COURSE:** A series of thirty-five lectures on paediatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital. Professor Struthers and Assistants.
2. **INFECTIOUS DISEASES:** A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital.
3. **DISEASES OF THE NEW BORN:** Royal Victoria Montreal Maternity Pavilion. A weekly clinical demonstration to groups of students of the Third Year.
4. **CLINICAL PÆDIATRICS:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including:—
(a) General Pædiatrics—Children's Memorial Hospital.

*On Military Service.

- (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics—Montreal Foundling and Baby Hospital. Child Welfare Association Clinics.
- (c) Infectious Diseases—Alexandra Hospital.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Pædiatrics" (8 volumes); Kanner, "Child Psychiatry".

NEUROLOGY AND NEUROSURGERY

<i>Professor and Chairman of the Department</i>	WILDER PENFIELD
<i>Associate Professor of Neurology</i>	COLIN RUSSEL*
<i>Associate Professor of Neurosurgery</i>	WILLIAM CONE*
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Assistant Professor of Neurology</i>	DONALD McEACHERN
<i>Assistant Professor in Neuro-psychiatry</i>	MIGUEL PRADOS
<i>Assistant Professor of Neurosurgery</i>	A. R. ELVIDGE
	{ F. McNAUGHTON
	{ J. N. PETERSEN
<i>Lecturers in Neurology</i>	{ N. Viner
	{ A. W. YOUNG
	{ J. KERSHMAN
<i>Lecturer in Neurological Roentgenology</i>	A. E. CHILDE*
<i>Lecturer in Neurological Electrography</i>	HERBERT JASPER
<i>Lecturer in Clinical Psychology</i>	MOLLY HARROWER
<i>Lecturer in Neurosurgery</i>	T. C. ERICKSON
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrator in Neurological Electrography</i>	ANDRE CIPRIANI
<i>Assistant Demonstrators in Neurosurgery</i>	{ ROBERT PUDENZ
	{ GUY ODOM
<i>Assistant Demonstrators in Neuropathology</i>	{ EVERETT HURTEAU
	{ T. RASMUSSEN
	{ PETER LEHMAN
	{ E. W. MACK
	{ G. K. MORTON
	{ C. BERTRAND
	{ E. S. LOTSPEICH
<i>Fellows</i>	

*On military service.

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine, Surgery and Pathology in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, McEachern, Jasper, McNally, Kershman, McNaughton, Erickson, Stern and Harrower-Erickson.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute.

Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m.

Drs. McNaughton, and Kershman.

SURGERY

*Professor of Urology and Chairman
of the Department of Surgery.....*

F. S. PATCH

Associate Professors.....

{ F. B. GURD
C. K. P. HENRY
F. E. MCKENTY

Assistant Professor.....

J. C. ARMOUR

{ H. L. DAWSON, H. M. ELDER*
R. R. FITZGERALD, G. A. FLEET
J. G. W. JOHNSON, C. A. MCINTOSH*
L. H. MCKIM, G. GAVIN MILLER
D. E. ROSS, A. J. STEWART,
F. J. TEES, A. L. WILKIE

Demonstrators.....

{ S. G. BAXTER, E. M. COOPER,
J. C. LUKE*, S. J. MARTIN,*
H. S. MORTON,* H. F. MOSELEY,
H. G. PRETTY, A. ROSS*,
P. G. ROWE

Assistant Demonstrators.....

{ F. D. ACKMAN, H. A. BAXTER,
H. S. DOLAN, G. A. HOLLAND,
G. D. LITTLE, J. C. SUTTON,
D. W. WEBSTER*

*On military service.

UROLOGY

<i>Clinical Professor</i>	E. C. SMITH
<i>Lecturer</i>	R. E. POWELL
<i>Demonstrators</i>	{ A. B. HAWTHORNE M. I. SENG A. M. J. TANNEY
<i>Assistant Demonstrators</i>	{ M. RATNER R. G. REID*

ORTHOPAEDIC SURGERY

<i>Clinical Professors</i>	{ J. A. NUTTER W. G. TURNER
<i>Lecturers</i>	{ W. J. PATTERSON* N. T. WILLIAMSON
<i>Assistant Demonstrators</i>	{ J. G. PETRIE* J. G. SHANNON*

ANÆSTHESIA

<i>Lecturers</i>	{ D. LEIGH C. C. STEWART F. A. H. WILKINSON
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Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service

1. A lecture course during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
2. Group ward classes.
3. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
4. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
5. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals,.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.
5. A course of lectures in General Surgery will be given, one weekly, during the year.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Fourth Year. A short course of clinical lectures.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Fourth Year. A short course of clinical lectures.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itons"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopaedic Surgery*: Whitman's "Orthopaedic Surgery"; Jones, "Orthopaedic Surgery of Injuries"; Jones and Lovett, "Orthopaedic Surgery"; Mercer's "Orthopaedic Surgery"; Willis Campbell's "Orthopaedic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopaedic Operations."

OBSTETRICS AND GYNÆCOLOGY

<i>Professor and Chairman of the Department</i>	J. R. FRASER
<i>Associate Professor</i>	A. D. CAMPBELL
<i>Clinical Professor</i>	J. W. DUNCAN
<i>Assistant Professor</i>	W. A. G. BAULD
<i>Lecturers</i>	<div style="display: flex; align-items: center; justify-content: space-between;"> G. C. MELHADO IVAN PATRICK </div>
<i>Demonstrators</i>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="display: flex; align-items: center;"> DOUGLAS GURD J. STEWART HENRY </div> <div style="display: flex; align-items: center;"> ELEANOR PERCIVAL N. W. PHILPOTT </div> <div style="display: flex; align-items: center;"> C. V. WARD* </div> </div>
<i>Clara Law Fellow and Demonstrator</i>	P. J. KEARNS
<i>Assistant Demonstrators</i>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="display: flex; align-items: center;"> K. T. MACFARLANE G. B. MAUGHAN* </div> <div style="display: flex; align-items: center;"> D. W. SPARLING* </div> </div>
<i>A. A. Brown Fellow</i>	F. D. JOHNSON*
<i>Teaching Fellow</i>	W. R. FOOTE

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.

Medical Building. One lecture a week—Spring Term.

Professor Fraser.

2. A systematic course of lectures is given twice weekly throughout the entire Third Year at the University. This lecture course is a continuation of the introductory series of lectures begun in the last term of the Second Year.

3. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department. Autumn, Winter and Spring Terms.

4. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures. Autumn, Winter and Spring Terms

5. Clinical Conferences thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

6. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

7. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—

A. Normal Labour..... Dr. Melhado.

B. Puerperal Infection..... Professor A. D. Campbell.

C. Haemorrhages of Pregnancy. Labour and the Puerperium.

Professor Duncan.

D. Toxaemia of Pregnancy.....

E. Dystocia..... Professor Bauld.

8. Care of the New-born.

Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

9. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

(1) De Lee	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Ten Teachers	Midwifery.
(4) Harper	Clinical Obstetrics.
(5) Bourne	Synopsis of Midwifery and Gynæcology.
(6) Johnson, R. W.	Text book of Midwifery.
(7) Bland	Practice of Obstetrics.
(8) Miller, J.	Manual of Obstetrics.
(9) Appleton	Obstetrical and Gynæcological Monographs.
(10) Peterson	Demonstration Course in Obstetrics.
(11) Irving	Text book on Obstetrics.
(12) Beck	Obstetrical practice.
(13) Adair	Obstetrics.

GYNÆCOLOGY.

(1) Graves	Text book of Gynæcology.
(2) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.

(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Blair Bell	Principles of Gynæcology.
(6) Kelly, Howard	Text book of Gynæcology.
(7) Goodall	Puerperal Infection.
(8) Crossen	Gynæcology.

OPHTHALMOLOGY

<i>Professor and Chairman of the</i> <i>Department.....</i>	J. A. MACMILLAN
<i>Lecturer.....</i>	
<i>Demonstrators.....</i>	{ K. B. JOHNSTON STUART RAMSEY
	{ J. ROSENBAUM
	{ R. J. VIGER
<i>Assistant Demonstrators.....</i>	{ B. ALEXANDER J. V. V. NICHOLLS*

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor MacMillan and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systematic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor McKee and Staff.

Text-books:—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

<i>Assistant Professors</i>	{ D. H. BALLON G. E. HODGE
<i>Lecturers</i>	{ W. J. McNALLY R. P. WRIGHT*
<i>Demonstrators</i>	{ K. O. HUTCHISON B. F. MACNAUGHTON G. E. TREMBLE
<i>Assistant Demonstrators</i>	{ A. O. FREEDMAN G. E. M. HILTON E. E. SCHARFE* E. A. STUART

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 20 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

<i>Associate Professor and Chairman of the Department of Radiology</i>	W. L. RITCHIE			
<i>Associate Professor</i>	CARLETON B. PEIRCE			
<i>Lecturers</i>	<table> <tbody> <tr> <td>E. C. BROOKS</td> </tr> <tr> <td>A. E. CHILDE</td> </tr> <tr> <td>J. W. MCKAY</td> </tr> </tbody> </table>	E. C. BROOKS	A. E. CHILDE	J. W. MCKAY
E. C. BROOKS				
A. E. CHILDE				
J. W. MCKAY				

REQUIRED COURSES

SECOND YEAR. In the spring term, demonstrations are given to small groups of students on the use of the fluoroscope as a method of examination, and, in addition, a short course of introductory lectures is delivered dealing with the principles and application of roentgenology to Medicine.

THIRD YEAR. All terms. Two conferences a week are held, each of an hour's duration, in which is covered the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties.

FOURTH YEAR. All terms. Students reporting for Medicine, Surgery and Gynaecology are required to attend the Tumour Conferences held in the different teaching hospitals, and, in addition, a course of seven clinical lectures is delivered, designed to review the important features of roentgenology in the practice of Medicine.

At the teaching hospitals of McGill's Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

J. B. COLLIP, *Director*

ROBERT L. NOBLE

A. H. NEUFELD

HECTOR MORTIMER

This Institute, established in 1941 and housed in the West Wing of the Medical Building, will be devoted to research in the fundamentals of endocrinology. It will not be an undergraduate teaching department, but will be closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine, and will afford facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute will be under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble will be the senior assistant in the physiological branches of the subject and Dr. A. H. Neufeld will be the senior assistant in the biochemical branches.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is one academic year.

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.
- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1940 it cared for 14,488 cases, while in its out-door department 74,591 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 476 post-mortems.

The number of resident physicians is 56.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1940 the obstetrical service cared for 2,153 confinements in the Hospital and 235 in the Out-patient Service. In the gynaecological section, 1,585 cases were admitted during the year.

There are nine resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1940 there were 11,753 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 204,621. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 372 autopsies performed which represents 89% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1940 was 23,169.

THE CHILDREN'S MEMORIAL HOSPITAL has 300 public beds, and, in 1940, admitted 3,602 patients. The attendance at its out-door department totalled over 30,822 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 59 autopsies during the year, which represents 92.9% of all deaths.

The number of resident physicians is 18.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds. Resident Physicians, 2.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1940, 1,340 patients were admitted to the hospital. There were 11 autopsies.

The number of resident physicians is 4.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and over 25,000 pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological collection is excellent; its nucleus is the private collection of Dr. Casey A. Wood whose active interest the library still enjoys.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1. p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

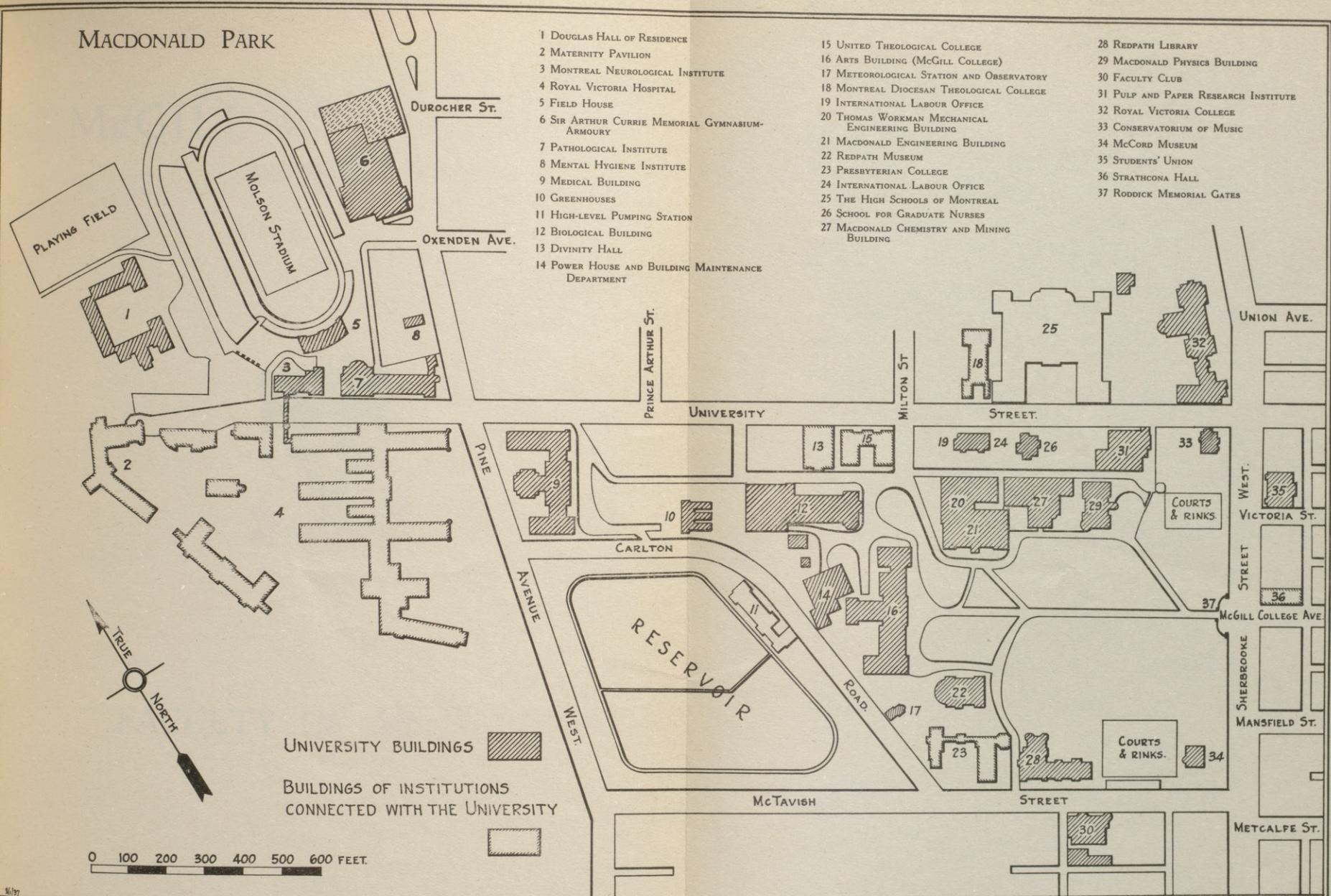
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

MACDONALD PARK



LIBRARY OF THE
UNIVERSITY OF TORONTO LIBRARIES

McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1943

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal F. CYRIL JAMES, Ph.D., D.C.L.

Dean of the Faculty J. C. MEAKINS, M.D., C.M., LL.D.,
F.R.C.P., F.R.S.C.

Secretary of the Faculty J. F. MCINTOSH, B.A., M.D., C.M.

Bursar W. BENTLEY, C.G.A., A.C.I.S.

Registrar T. H. MATTHEWS, M.A.

University Librarian GERHARD R. LOMER, M.A., Ph.D.,
F.L.A.

Honorary Medical Librarian R. L. STEHLE, M.A., Ph.D.

*Osler Librarian and Director of the
Museum of the History of Medicine* W. W. FRANCIS, A.B., M.D.

Assistant Secretary of the Faculty MISS G. D. MUDGE

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundredth and tenth session of the Faculty will open on September 9th, 1942, for students of all years.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 8th, 1942. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES
UNIVERSITY FEES

1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

2. REPEATING A YEAR.

British students repeating a year pay.....	200.00
Non-British students repeating a year pay.....	250.00

3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDEM FEE.

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.

6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....	10.00
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STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$11.00
Regular students (women).....	9.00
Partial students.....	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 8th, to Thursday September 10th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

During war-time acceleration of the course, four annual fees will continue to be paid. The dates when fees are due and payable will remain unchanged.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital,

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into two terms (of eighteen weeks) in the first session and into three terms in the following three sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

ACCELERATION OF COURSE AS A WAR-TIME MEASURE:

At the request of the Federal Government of Canada the medical course will be accelerated as a "war measure", as long as this appears to be necessary, in order that medical students may graduate at an earlier date. It is planned that this will be accomplished by the introduction of summer terms, reducing the normal summer vacation periods to a minimum. Each summer session will accelerate the graduation of the class which takes it by approximately three months. According to this plan a class will be admitted in September of each year. A student entering at this time will complete his lectures and examinations in June three years later and at the end of the fourth year will have completed his internship and will be eligible for his license examinations. The Department of National Defense has made arrangements to enlist senior Canadian students in Medicine into the Canadian Army (Active) in conjunction with this scheme for acceleration of the course. Details of this scheme may be obtained on application to the office of the Dean.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.

SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics.

THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

*In these subjects are included the following:—

Medicine—Dermatology, Psychiatry, Neurology, Clinical Therapeutics, Medical Radiology.

Surgery—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia, and Surgical and Therapeutic Radiology.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major

examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in

examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS.

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student

must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

culation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

*Robert Reford Professor and
Chairman of the Department . . . C. P. MARTIN*

Associate Professor of Histology . . . H. SELYE

Assistant Professor of Anatomy . . . D. S. FORSTER

Lecturer in Histology . . . C. P. LEBLOND

Demonstrators in Anatomy . . . { F. S. DORRANCE*
E. W. WORKMAN

Demonstrators in Histology . . . { E. W. WORKMAN
W. WALFORD

Teaching Fellow in Anatomy . . . S. M. FRIEDMAN

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

*On Military Service.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work from September to the end of February of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

<i>Research Professor</i>	BORIS P. BABKIN
<i>The Joseph Morley Drake Professor</i>	
<i>Assistant Professor</i>	N. GIBLIN
<i>Lecturers</i>	<i>S. DWORKIN*</i> <i>D. A. ROSS</i>
<i>Demonstrator</i>	RHOEDA GRANT

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).

1P. FIRST YEAR LABORATORY.

Six hours a week, Spring Term.

2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

2P. SECOND YEAR LABORATORY (Mammalian).

Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY.

*On leave of absence, 1942-43.

BIOCHEMISTRY

*Professor and Chairman of the
Department* D. L. THOMSON

Assistant Professors { O. F. DENSTEDT
R. D. H. HEARD

Sessional Lecturer C. GWENDOLINE TOBY

The Department offers, in addition to the required lecture and laboratory course, a course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

(a) Lectures: In the first half of the first year, Monday, Wednesday, first half of the first year.

(b) Laboratory: Six hours weekly. This course is given in the first half of the first year

Text-books—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3, second year.

Text-book—Cameron, "Recent Advances in Endocrinology" (Blakiston).

PATHOLOGY

<i>Strathcona Professor and Chair-</i>	
<i>man of the Department</i>	G. LYMAN DUFF
<i>Professor</i>	L. J. RHEA
<i>Associate Professor</i>	THEO. R. WAUGH
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>J. E. PRITCHARD</p> <p>C. L. YUILE</p> <p>F. W. WIGLESWORTH*</p> </div> <div style="flex: 1;"> <p>KARL STERN</p> <p>H. L. FOSTER</p> <p>M. A. SIMON</p> </div> </div>
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrator</i>	H. L. FOSTER
<i>Sessional Demonstrator</i>	M. A. SIMON
<i>Fellows</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>R. H. MORE</p> <p>FRANCES McCALL</p> <p>R. H. COURLAY</p> <p>W. E. TORESON</p> </div> <div style="flex: 1;"></div> </div>

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
Dr. Yuile, Dr. Foster and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms..... Professor Duff.

*On military service.

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute..... Professor Duff and Dr. Yuile.
Montreal General Hospital. Professor Rhea and Dr. Fritchard.
Children's Memorial Hospital.....

Text Books—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders), Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

<i>Professor and Chairman of the Department</i>	E. G. D. MURRAY
<i>Associate Professor</i>	FREDERICK SMITH
<i>Assistant Professor</i>	T. E. ROY*
<i>Lecturers</i>	{ C. D. KELLY W. H. MATHEWS* D. FLEMING
<i>Demonstrators</i>	{ D. H. STARKEY* N. W. MCLELLAN* G. G. KALZ

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.**COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.**

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

**COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.
(Will not be given in 1942-43.)**

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas). N. P. Sherwood, "Immunology" (Mosby Co.). H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (MacMillan Co.).

PARASITOLOGY

*Professor and Chairman of the
Department.....* T. W. M. CAMERON
Lecturers..... (H. BRUCE COLLIER
[IVAN W. PARNELL*]

REQUIRED COURSE

HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book: Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman
of the Department.....* GRANT FLEMING
Associate Professor..... R. ST. J. MACDONALD
Assistant Professor..... FRANK G. PEDLEY
Lecturer (Mental Hygiene)..... BARUCH SILVERMAN
Demonstrator..... R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

*On Military Service.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term..... Professor Fleming.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term..... Professor Fleming, and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term..... Dr. Silverman.

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term.....Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

*The General Field:—*Mustard; Rosenau.

*Industrial Hygiene:—*The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

*Mental Hygiene:—*The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

*Professor and Chairman of the
Department.....R. L. STEHLE*
*Associate Professor of
Therapeutics.....D. S. LEWIS*
*Assistant Professor of
Pharmacology.....K. I. MELVILLE*
Lecturer in Therapeutics.....W. DE M. SCRIVER
Lecturer in Anæsthesia.....WESLEY BOURNE
*Lecturer in Pharmacology.....A. M. FRASER**

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

*On Military Service.

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics*, Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

<i>Professor and Chairman of the Department</i>	JONATHAN C. MEAKINS
<i>Professor</i>	L. C. MONTGOMERY*
<i>Associate Professors</i>	E. H. MASON, I. M. RABINOWITCH
<i>Assistant Professors</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>C. C. BIRCHARD, J. S. L. BROWNE J. KAUFMANN, D. S. LEWIS C. F. MOFFATT, KEITH GORDON E. S. MILLS, W. DE M. SCRIVER</p> </div> <div style="flex: 1;"> <p>C. R. BOURNE, G. R. BROW, D. G. CAMPBELL, NEIL FEENEY, C. W. FULLERTON, R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. MCKECHNIE, E. M. HUNTER, J. H. PALMER*, A. F. FOWLER, W. R. KENNEDY, COLIN SUTHERLAND, C. J. TIDMARSH, R. VANCE WARD</p> </div> </div>
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>L. J. ADAMS, M. ARONOVITCH, D. BARZA, W. G. McLELLAN, J. G. MUNROE, M. NOTKIN, A. T. THOM, B. R. CUDDIHY, J. O. W. BRABANDER, HUGH BURKE, W. W. EAKIN, GUY HAMEL, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, D. L. MENDEL, H. N. SEGALL</p> </div> <div style="flex: 1;"> <p>J. J. DAY, M. A. HICKEY, C. B. SMITH, R. C. BENNETTS, J. G. HOWLETT*, S. ORTENBERG, S. L. RICHARDSON, F. McIVER SMITH, S. R. TOWNSEND</p> </div> </div>
<i>Demonstrators</i>	
<i>Assistant Demonstrators</i>	

PSYCHIATRY

<i>Clinical Professor</i>	C. A. PORTEOUS
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Assistant Professor (Neurology)</i>	A. W. YOUNG
<i>Lecturers in Neurology</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>N. Viner G. E. READ</p> </div> <div style="flex: 1;"> <p>B. SILVERMAN</p> </div> </div>
<i>Demonstrators</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>A. A. MACKAY C. H. SKITCH T. E. DANCEY MILTON GRAY</p> </div> <div style="flex: 1;"></div> </div>

*On military service.

Dermatology

Clinical Professors { J. F. BURGESS
L. P. EREAUX

Lecturers { B. USHER
F. KALZ

Clinical Therapeutics

Associate Professor D. S. LEWIS

Lecturers { D. GRANT CAMPBELL
W. DE M. SCRIVER
GUY FISK
(NORMAN BROWN (*Physio-Therapy*))

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine with integration of Physiology, Biochemistry, and Anatomy. This course is designed to review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year. It is given in the University Medical Building by members of the Departments of Medicine.

2. Courses of lectures will be given in Psychiatry and Therapeutics during the autumn and summer terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professor Meakins and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in laboratory diagnosis will be given in the spring term only. There will be two laboratory periods a week in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

- (a) Theatre clinics on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.
- (b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms at the Royal Victoria and Montreal General Hospitals.....Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. PHYSIO-THERAPY. Three lectures and three periods of group instruction at times to be arranged.....Drs. Lewis, Brown and Fisk.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures.....Professor Rabinowich.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations.* *Malpractice:* Criminal. Civil. Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations.* *Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy.* *Abortion:* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide.* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning—Accident. Suicide. Murder.*

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. PHYSIO-THERAPY (PRACTICAL): A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, haematology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry".

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendenning, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

Professor and Chairman of the Department..... R. R. STRUTHERS

Associate Professor..... S. GRAHAM ROSS

Assistant Professors..... { A. GOLDBLOOM
L. LINDSAY

Lecturers..... { A. K. GEDDES*
ALAN ROSS*
JESSIE BOYD SCRIVER
H. P. WRIGHT*

Demonstrators..... { E. M. WORDEN
S. J. USHER

Sessional Demonstrators..... { C. STEWART
S. I. DOUBILET
J. H. O'NEILL
S. B. SHAPIRO
F. SHIPPAM

Assistant Demonstrators..... B. BENJAMIN

REQUIRED COURSES

1. **LECTURE COURSE:** A series of thirty-five lectures on paediatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital. Professor Struthers and Assistants.
2. **INFECTIOUS DISEASES:** A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital.
3. **DISEASES OF THE NEW BORN:** Royal Victoria Montreal Maternity Pavilion. A weekly clinical demonstration to groups of students of the Third Year.
4. **CLINICAL PÆDIATRICS:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including:—
(a) General Pædiatrics—Children's Memorial Hospital.

*On Military Service.

- (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics—Montreal Foundling and Baby Hospital. Child Welfare Association Clinics.
- (c) Infectious Diseases—Alexandra Hospital.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's Pædiatrics" (8 volumes); Kanner, "Child Psychiatry"; Marriott and Jeans, "Infant Nutrition".

NEUROLOGY AND NEUROSURGERY

<i>Professor and Chairman of the Department</i>	WILDER PENFIELD
<i>Associate Professor</i>	WILLIAM CONE
<i>Clinical Professor (Neurology)</i>	F. H. MACKAY
<i>Assistant Professors of Neurology</i>	{ ARTHUR W. YOUNG DONALD McEACHERN*
<i>Assistant Professor of Neuropsychiatry</i>	MIGUEL PRADOS
<i>Assistant Professor of Neurosurgery</i>	ARTHUR ELVIDGE
<i>Assistant Professor of Radiology</i>	A. E. CHILDE
<i>Lecturer in Neurological Electrography</i>	HERBERT JASPER
<i>Lecturers in Neurology</i>	{ JOHN KERSHMAN F. L. McNAUGHTON J. N. PETERSEN NORMAN VINER
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrator (Electrography)</i>	ANDRE CIPRIANI
<i>Assistant Demonstrators</i>	{ PETER LEHMAN THEODORE RASMUSSEN S. P. HUMPHREYS* O. W. STEWART* T. S. BENNETT CLAUDE BERTRAND EDGAR LOTSPEICH G. K. MORTON W. D. ROSS B. STROWGER R. B. TURNBULL
<i>Research Fellows</i>	

*On Military Service.

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine, Surgery and Pathology in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, McEachern, Jasper, McNally, Kershman, McNaughton, Stern and Prados.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute.

Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m.

Drs. McNaughton, and Kershman.

SURGERY

Professor and Chairman of the Department of Surgery..... C. K. P. HENRY

Professors..... { F. B. GURD
F. E. MCKENTY

Associate Professor..... J. C. ARMOUR

{ R. R. FITZGERALD, J. W. G. JOHNSON
C. A. MCINTOSH*, L. H. MCKIM*,
G. GAVIN MILLER, D. E. ROSS,
A. ROSS*, A. J. STEWART,
H. L. DAWSON, G. A. FLEET,
A. L. WILKIE, H. M. ELDER*

Lecturers..... { C. LUKE*, S. J. MARTIN*,
H. F. MOSELEY, P. G. ROWE,
S. G. BAXTER, H. G. PRETTY,
F. J. TEES

Demonstrator..... E. M. COOPER

Sessional Demonstrators..... { C. J. F. PHILLIPPS-WOOLLEY
G. A. P. HURLEY

Assistant Demonstrators..... { F. D. ACKMAN, H. A. BAXTER,
E. H. CAYFORD, H. S. DOLAN,
G. D. LITTLE, C. K. MCLEOD,
H. GRAHAM ROSS, J. C. SUTTON
A. M. VINEBERG, G. A. HOLLAND,
D. R. WEBSTER*

*On military service.

UROLOGY

<i>Professor</i>	F. S. PATCH
<i>Clinical Professors</i>	{ R. E. POWELL E. S. SMITH
<i>Lecturer</i>	M. I. SENG
<i>Demonstrators</i>	{ A. B. HAWTHORNE A. M. J. TANNEY
<i>Assistant Demonstrators</i>	{ M. RATNER R. G. REID*

ORTHOPAEDIC SURGERY

<i>Clinical Professors</i>	{ J. A. NUTTER W. G. TURNER
<i>Lecturers</i>	{ W. J. PATTERSON* N. J. WILLIAMSON
<i>Assistant Demonstrators</i>	{ J. G. SHANNON* J. G. PETRIE*

ANAESTHESIA

<i>Lecturers</i>	{ WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON
<i>Assistant Demonstrator</i>	A. M. TORRIE

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service

1. A lecture course during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
2. Group ward classes.
3. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
4. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
5. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.
5. A course of lectures in General Surgery will be given, one weekly, during the year.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Fourth Year. A short course of clinical lectures.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Fourth Year. A short course of clinical lectures.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itons"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations."

OBSTETRICS AND GYNÆCOLOGY

<i>Professor and Chairman of the</i>	
<i>Department</i>	J. R. FRASER
<i>Associate Professor</i>	A. D. CAMPBELL
<i>Clinical Professor</i>	J. W. DUNCAN
<i>Assistant Professor</i>	W. A. G. BAULD
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>J. S. HENRY</p> <p>P. J. KEARNS</p> <p>ELEANOR PERCIVAL</p> <p>G. C. MELHADO</p> <p>IVAN PATRICK</p> <p>N. W. PHILPOTT*</p> </div> <div style="flex: 1;"> <p>GEORGE STREAN</p> <p>G. T. ALTIMAS</p> </div> </div>
<i>Sessional Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>DOUGLAS GURD</p> <p>K. T. MACFARLANE</p> <p>C. V. WARD*</p> </div> <div style="flex: 1;"> <p>G. B. MAUGHAN*</p> <p>F. D. JOHNSON*</p> </div> </div>
<i>Demonstrators</i>	
<i>Assistant Demonstrator</i>	
<i>A. A. Brown Fellow</i>	
<i>Teaching Fellow</i>	W. R. FOOTE

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.

Medical Building. One lecture a week—Spring Term.

Professor Fraser.

2. A systematic course of lectures is given once weekly throughout the entire Third Year at the University. This lecture course is a continuation of the introductory series of lectures begun in the last term of the Second Year.

3. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department. Autumn, Winter and Spring Terms.

4. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures. Autumn, Winter and Spring Terms

5. Clinical Conference once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

6. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

7. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—

A. Normal Labour..... Dr. Melhado.

B. Puerperal Infection..... Professor A. D. Campbell.

C. Haemorrhages of Pregnancy. Labour and the Puerperium.
Professor Duncan.

D. Toxæmia of Pregnancy..... Dr. Foote.

E. Dystocia..... Professor Bauld.

8. Care of the New-born. Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

9. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynaecological Pathology. Dr. P. J. Kearns.
3. Methods of Gynaecological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

(1) De Lee	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Ten Teachers	Midwifery.
(4) Harper	Clinical Obstetrics.
(5) Bourne	Synopsis of Midwifery and Gynaecology.
(6) Johnson, R. W.	Text book of Midwifery.
(7) Bland	Practice of Obstetrics.
(8) Miller, J.	Manual of Obstetrics.
(9) Appleton	Obstetrical and Gynaecological Monographs.
(10) Peterson	Demonstration Course in Obstetrics.
(11) Irving	Text book on Obstetrics.
(12) Beck	Obstetrical practice.
(13) Adair	Obstetrics.

GYNÆCOLOGY.

(1) Graves	Text book of Gynaecology.
(2) Curtis	Text book of Gynaecology and System of Gynaecology and Obstetrics.

(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Blair Bell	Principles of Gynæcology.
(6) Kelly, Howard	Text book of Gynæcology.
(7) Goodall	Puerperal Infection.
(8) Crossen	Gynæcology.

OPHTHALMOLOGY

<i>Professor and Chairman of the Department.....</i>	J. A. MACMILLAN
<i>Assistant Professor.....</i>	STUART RAMSEY
<i>Lecturers.....</i>	{ K. B. JOHNSTON J. ROSENBAUM
<i>Assistant Demonstrator.....</i>	B. ALEXANDER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor MacMillan and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor MacMillan and Staff.

Text-books:—May, Gifford, Parsons.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

<i>Assistant Professor and Chair-</i>	
<i>man of the Department</i>	D. H. BALLON
<i>Assistant Professor</i>	G. E. HODGE
<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>W. J. McNALLY</p> <p>R. P. WRIGHT*</p> <p>K. O. HUTCHISON</p> <p>G. E. TREMBLE</p> </div> <div style="flex: 1;"> <p>A. O. FREEDMAN</p> <p>G. E. M. HILTON</p> <p>E. A. STUART</p> <p>J. W. GERRIE</p> <p>F. W. SHAVER</p> <p>E. E. SCHARFE*</p> </div> </div>
<i>Assistant Demonstrators</i>	

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

<i>Associate Professor and Chairman of the Department</i>	W. L. RITCHIE
<i>Associate Professor</i>	CARLETON B. PEIRCE
<i>Assistant Professors</i>	{ E. C. BROOKS A. E. CHILDE J. W. MCKAY
<i>Demonstrators</i>	{ M. BEATON J. BOUCHARD T. E. W. HARDING

REQUIRED COURSES

FIRST YEAR. In the first year in the Spring term a series of 6 demonstrations are given to the class in Anatomy. In this series film studies of bones, lungs, heart, and other parts of the anatomy are shown and fluoroscopic demonstrations of movement in joints, of the diaphragm and heart.

SECOND YEAR. In the spring term, demonstrations are given to small groups of students on the use of the fluoroscope as a method of examination, and, in addition, a short course of introductory lectures is delivered dealing with the principles and application of roentgenology to Medicine.

THIRD YEAR. All terms. Two conferences a week are held, each of an hour's duration, in which is covered the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties.

FOURTH YEAR. All terms. Students reporting for Medicine, Surgery and Gynaecology are required to attend the Tumour Conferences held in the different teaching hospitals, and, in addition, a course of seven clinical lectures is delivered, designed to review the important features of roentgenology in the practice of Medicine.

At the teaching hospitals of McGill Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

Director J. B. COLLIP
Lecturers (ROBERT L. NOBLE
A. H. NEUFELD
Fellow HECTOR MORTIMER

This Institute, established in 1941 and housed in the West Wing of the Medical Building, will be devoted to research in the fundamentals of endocrinology. It will not be an undergraduate teaching department, but will be closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine, and will afford facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute will be under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble will be the senior assistant in the physiological branches of the subject and Dr. A. H. Neufeld will be the senior assistant in the biochemical branches.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department; both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.

- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.
- (e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. During 1941 it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1941 the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynaecological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1941 there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1941 was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in 1941, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies during the year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds. Resident Physicians, 2.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1941, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1. p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGILL UNIVERSITY

FACULTY OF MEDICINE

SCHOOL OF PHYSIOTHERAPY

ADMINISTRATIVE OFFICERS

<i>Principal</i>	F. CYRIL JAMES, Ph.D., D.C.L., LL.D.
<i>Dean</i>	JOHN FRASER, M.D., C.M., F.R.C.S. (C), F.A.C.S., F.R.C.O.G.
<i>Medical Director</i>	GUY H. FISK, B.A., M.D., C.M., D.T.M. & H.
<i>Chief Instructress</i>	MISS M. FINLEY, T.M.N.G. (Eng.), C.P.A.
<i>Bursar</i>	WILLIAM BENTLEY, C.G.A., A.C.I.S.
<i>Registrar</i>	T. H. MATTHEWS, M.A.

GENERAL INFORMATION

The aim of the course in Physiotherapy is to provide a supply of adequately trained graduates who will be qualified to work as Physiotherapy aides in hospitals, institutions, and private homes.

Physiotherapy is the use of heat, light, water, electricity, and mechanical agents, including massage and remedial gymnastics, in the treatment of injury and disease. Physiotherapy aides are trained in the use of these healing agents under the direction of a physician, such treatments being prescribed by the physician and carried out according to prescription.

There is a steadily growing demand for qualified Physiotherapy aides in both civilian life and the armed services. In the armed forces Physiotherapy sisters are given the same rank and commission as a nurse. In civilian life they work in hospitals, industries, clinics, and in private homes under the direction of doctors. It is a profession for women.

The curriculum consists of two academic years with two months hospital internship at the end of the first year and six months hospital internship at the end of the second year. Throughout the course ample provision has been made for practical hospital instruction in addition to

the University training. This hospital training will be carried out at the Children's Memorial, Montreal General, Royal Victoria, and Verdun Protestant Hospitals in the Physiotherapy Departments.

Upon completion of the entire course satisfactorily, a diploma of Technician in Physiotherapy is granted by the University.

REQUIREMENTS FOR ADMISSION

Senior matriculation or one year of college work meets the requirements of the Canadian Physiotherapy Association. Candidates for admission must submit certificates to show that they have junior and senior matriculation standing in the University's School Certificate Examination or some other examination recognized by the University as equivalent. The subjects studied should include senior matriculation Physics, Biology and Chemistry are also recommended.

A list of examinations recognized for junior and senior matriculation standing is given in the School Certificate Announcement. In Ontario, for example, the equivalents are complete Middle and five subjects of the Upper School examinations.

Candidates who wish to know whether they have the academic qualifications for admission to the course should send complete details of their school and college work to:

Dr. Guy H. Fisk, Medical Director,
School of Physiotherapy,
Medical Building, McGill University.

PHYSICAL REQUIREMENTS

Candidates, in order to qualify for admission, must satisfactorily pass a complete physical examination.

FEES

Fees are due and payable at the Bursar's Office during the hours of 9 a.m. to 1 p.m. or 2.30 to 4.00 p.m. on Registration Day. If desired fees may be remitted by mail on or before the due dates. They may be paid in two instalments, in which case there is a charge of \$5.00. The second instalment is due on or before February 1st.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them

from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

FIRST YEAR

ANATOMY.

General Anatomy and Physiology. 90 hrs.

The emphasis in this course is upon the body as a living mechanism in which the function and structure are inseparably related and in which the activities of all parts are intimately co-ordinated.

Texts: Anatomy and Physiology, Williams (Saunders Co.).

Laboratory period by arrangement. Dr. Lamb.

Special Anatomy. 60 hrs.

A course designed to provide the student with a practical knowledge of the important structures of the human body both gross and microscopical.

Department of Anatomy. Lectures 90 hrs., Labs. 60 hrs

PHYSICS.

A general course covering mechanics, heat, magnetism, electricity and sound.

3 hours—2 hours lab.

PRINCIPLES AND METHODS OF PHYSICAL EDUCATION. 90 hrs.

An analysis of the aims of physical education and their relationship to those of general education. A study of age characteristics (physical, mental and social) of elementary school children. This is designed to help one gain an understanding of the interests, capabilities and desires of children and so lead to the proper choice of material for different age levels.

A study of terminology, of various types of gymnastics with and without music, of exercises suitable for various ages and types of classes, organization of lessons and courses, practice in presenting exercises and typing lessons.

A large repertoire of appropriate games and rhythmical activities is presented.

3 hours. Miss Munro, Miss Wagner.

PSYCHOLOGY.

Lectures 60 hrs.

An introduction to general psychology, together with some specific instructions in practical psychology where it applies to the related fields of health, physical education and recreation. Particular attention will be

paid to the professional relationships between teacher and pupil, including such things as establishing rapport, gaining confidence and goodwill and eliciting whole-hearted support on the part of the pupil or patient.

2 hours.

Mr. Orlick.

MEDICAL GYMNASTICS—theory and practice of exercises as utilized in the treatment of disease. 120 hrs.

An elementary course on the theory and practice of medical gymnastics as used in the treatment of various diseases and injuries. Stress will be laid on the differentiation of exercises suitable to various types of illness.

CLINICAL THERAPEUTICS.

60 hrs.

A brief consideration of the diseases affecting the cardiovascular, respiratory, gastro-intestinal, genito-urinary and locomotor systems that have symptoms which will respond to treatment by physical therapy agents. The application of such treatment to specific symptoms will be dealt with in detail.

Dr. Fisk.

ELECTROTHERAPY.

30 hrs.

A discussion of the currents used in medical diagnosis and treatment.

Dr. Fisk.

MASSAGE—theory and practice.

The physiological effects of massage on the various systems of the body and its technique of administration with suitable practice on the human body.

Miss Finley.

Three afternoons per week.

HOSPITAL PRACTICE.

See note on p. 6.

INTERNSHIP.

2 months internship at a suitable hospital will be required after completion of the first year.

SECOND YEAR

PHYSIOLOGY.

Lectures 60 hrs., Labs. 90 hrs.

The special physiology of posture and muscular motion and exercises; the nervous and circulatory systems—a consideration of the physiological bases for procedures in Physiotherapy.

Professor Hoff.

ANATOMY—Special Anatomy.

60 hrs.

Lectures and demonstrations designed to provide a more intimate knowledge of the anatomical structure and functions of the bones and joints, the muscular, cardiovascular, nervous and respiratory systems.

Professor Martin.

PERSONAL AND COMMUNITY HYGIENE.

30 hrs.

An elementary study of the more common pathogenic organisms and communicable diseases; their relation to health; precautions against and means of combating pathogenic organisms.

Health organizations and the means of maintenance of health; the laws of healthful living and the responsibility of the individual.

2 hours first term.

Professor of Public Health and Preventive Medicine, Miss Munro.

FIRST AID AND HOME NURSING.

15 hrs.

A course designed to provide a practical insight into the general principles governing the management of common injuries, the most effective first aid procedures and nursing technique adapted particularly for use in the home. The methods now in use for the prevention of shock and control of haemorrhage.

Dr. Fisk.

CLINICAL THERAPEUTICS.

75 hrs.

A discussion of the application of physical treatment to the patient as a whole with special reference to contra-indications and the patient's general mental outlook on his disease. Detailed discussions of fractures, joint disease, joint injuries and diseases of the nervous system in relation to physical treatment.

Dr. Fisk.

MEDICAL GYMNASTICS.

180 hrs.

An advanced course on the theory and practice of medical gymnastics in the treatment of the diseased and injured individual.

Miss Finley.

FUNDAMENTAL AND RHYTHMICAL GYMNASTICS.

60 hrs.

Fundamental Gymnastics. Stressing basic body conditioning; developing strength; flexibility and co-ordination. Done without music for training ability in setting and maintaining rhythm without outside help and because of uneven rhythm and sudden changes of tempo.

Rhythrical Gymnastics. Also a development of general bodily skill as in fundamental gymnastics, but stressing more the response to music and exercise on the move.

2 hours.

Miss Wagner.

MASSAGE—theory and practice.

135 hrs.

An advanced course dealing with the effects of massage on diseased tissue, its psychological effects and its general application to the sick person.

ELECTROTHERAPY.

75 hrs.

A course on the physiological effect of the various electrical currents used in the treatment of sick people with the technique of their application and a consideration of the dangers and contra-indications. Dr. Fisk.

PHYSICS.

30 hrs.

A short course dealing particularly with the principles underlying the use of physiotherapeutic apparatus. Professor Keys.

HYDROTHERAPY.

15 hrs.

The psychological effects of hydrotherapy on the human body and the general technique of administration including therapeutic baths, under-water exercises, sprays, therapeutic packs and contrast baths.

Dr. Fisk, Miss Finley.

ETHICS.

The relationship of the physical therapy technician to the medical profession, to the hospital, to the patient and to the nurses. An outline of a professional code for conduct, together with a resume of the records that should be kept will be presented.

Dr. Fisk.

HOSPITAL PRACTICE.

2 mornings in first term, 4 in second.

This will consist of actual practice on patients in the clinics and wards under direct supervision. The work will be carried out in the Children's Memorial, Montreal General, Royal Victoria and Verdun Protestant Hospitals. These hospitals provide a wide variety of cases, embracing every type that the practising physiotherapist will be likely to encounter. As Montreal is a centre drawing patients from many out-lying districts there will also be opportunities of seeing many rare conditions during the hospital practice.

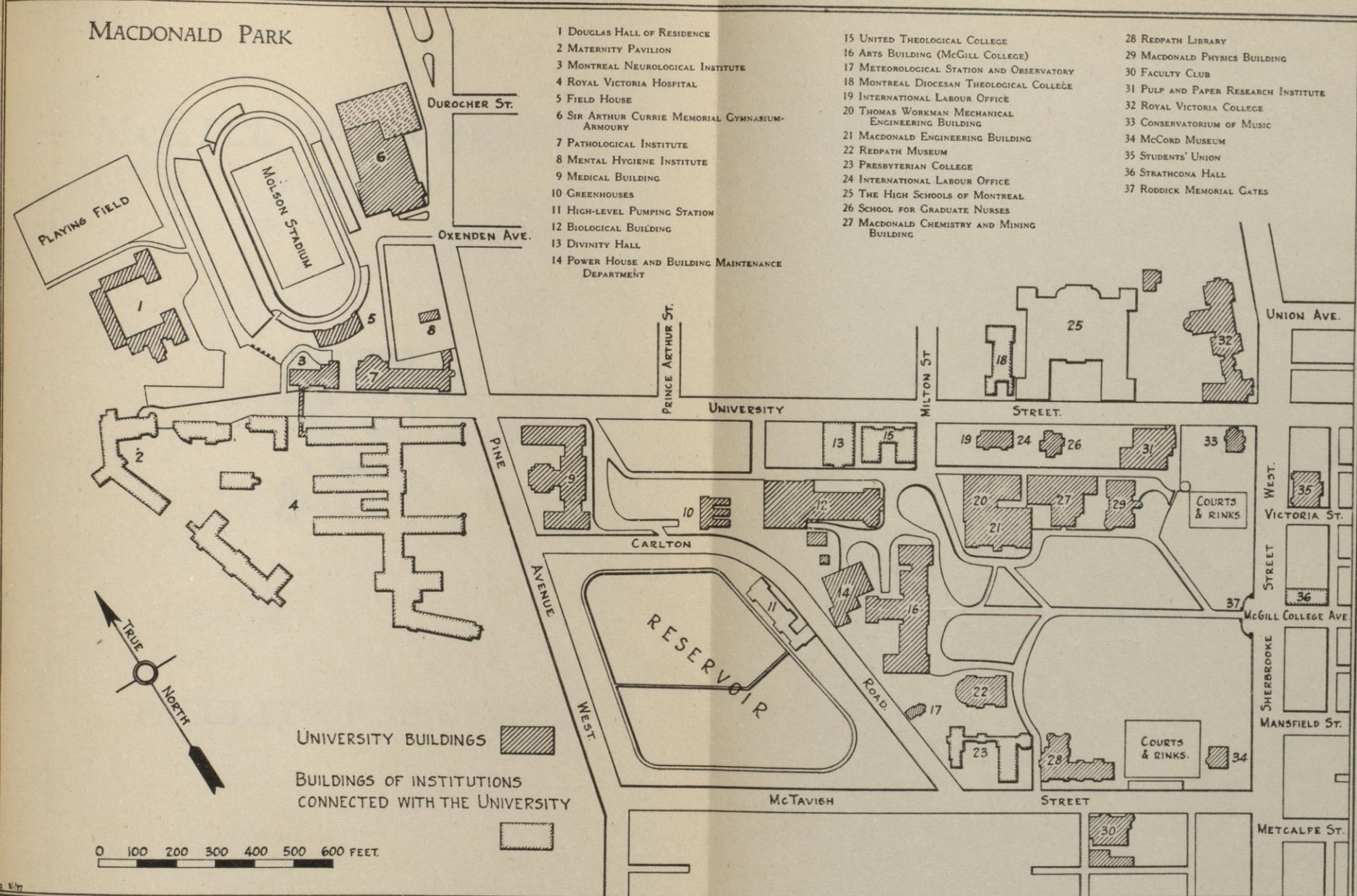
Besides learning the practical side of the work at the hospital the student will be instructed in hospital routine and the correct approach

to the patient. At the end of her hospital experience the student will be sufficiently experienced to deal with any situation she may be called upon to face in her practical work.

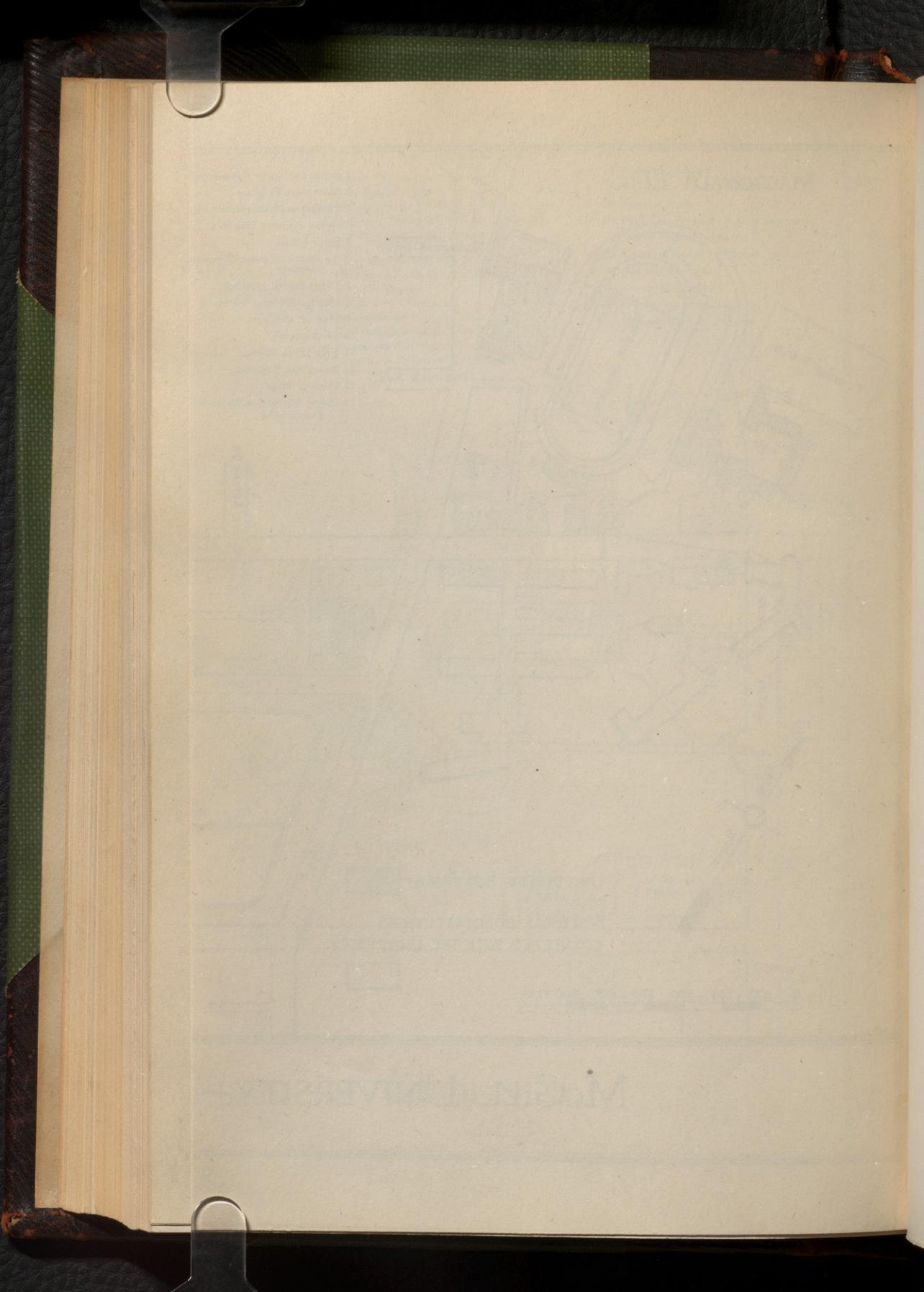
INTERNSHIP.

A period of internship at a suitable hospital for six months will be necessary on completion of the second year.

MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS



McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal.....F. CYRIL JAMES, Ph.D., D.C.L.

Dean of the Faculty.....J. R. FRASER, M.D., C.M., F.R.C.S.
(C), F.A.C.S., F.R.C.O.G.

Secretary of the Faculty.....J. F. MCINTOSH, B.A., M.D., C.M.

Bursar.....W. BENTLEY, C.G.A., A.C.I.S.

Registrar.....T. H. MATTHEWS, M.A.

University Librarian.....GERHARD R. LOMER, M.A., Ph.D.,
F.L.A.

Honorary Medical Librarian.....R. L. STEHLE, M.A., Ph.D.

*Osler Librarian and Director of the
Museum of the History of Medicine*.....W. W. FRANCIS, A.B., M.D.

Assistant Secretary of the Faculty.....Miss G. D. MUDGE.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.

FACULTY OF MEDICINE

The one hundredth and eleventh session of the Faculty will open on September 8th, 1943, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 7th, 1943. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

2. REPEATING A YEAR.

British students repeating a year pay.....	200.00
Non-British students repeating a year pay.....	250.00

3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

4. AD EUNDUM FEE.

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.

6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....	\$10.00
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STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$11.00
Regular students (women).....	9.00
Partial students.....	5.00

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 7th, to Thursday, September 9th, inclusive,

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

During war-time acceleration of the course, four annual fees will continue to be paid. The dates when fees are due and payable will remain unchanged.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into two terms (of eighteen weeks) in the first session and into three terms in the following three sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

ACCELERATION OF COURSE AS A WAR-TIME MEASURE:

At the request of the Federal Government of Canada the medical course has been accelerated as a "war measure", as long as this appears to be necessary, in order that medical students may graduate at an earlier date. This is accomplished by the introduction of summer terms, reducing the normal summer vacation periods to a minimum. Each summer session will accelerate the graduation of the class which takes it by approximately three months. According to this plan a class will be admitted in September of each year. A student entering at this time will complete his lectures and examinations in July three years later and at the end of the fourth year will have completed his internship and will be eligible for his license examinations. This plan is being carried out for classes admitted previous to September 1943. The Department of National Defense has made arrangements to enlist senior Canadian students in Medicine into the Canadian Army (Active) in conjunction with this scheme for acceleration of the course. Details of this scheme may be obtained on application to the office of the Dean.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.

SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory, Diagnosis, Medicine, Surgery, Obstetrics.

THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

*In these subjects are included the following—

Medicine—Dermatology, Psychiatry, Neurology, Clinical Therapeutics, Medical Radiology.

Surgery—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia, and Surgical and Therapeutic Radiology.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence, Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Pathology, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major

examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in

examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time, if in the opinion of his instructors he is incompetent.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A = Excellent
- B = Good
- C = Fair
- D = Doubtful
- E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right

of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this

University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

<i>Robert Reford Professor and</i>	
<i>Chairman of the Department</i>	<i>C. P. MARTIN</i>
<i>Associate Professor of Histology</i>	<i>H. SELYE</i>
<i>Assistant Professor of Anatomy</i>	<i>D. S. FORSTER</i>
<i>Assistant Professor of Histology</i>	<i>C. P. LEBLOND</i>
<i>Demonstrators in Anatomy</i>	<i>E. W. WORKMAN</i> <i>G. PERRIGARD</i>
<i>Demonstrators in Histology</i>	<i>E. W. WORKMAN</i> <i>S. H. LANE</i> <i>Mrs. S. FRIEDMAN</i>

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Fraser and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

<i>Joseph Morley Drake Professor and</i>	
<i>Chairman of the Department.....</i>	H. E. HOFF
<i>Research Professor.....</i>	B. P. BABKIN
<i>Associate Professor.....</i>	N. GIBLIN
<i>Lecturers.....</i>	{ S. DWORKIN RONALD GRANT
<i>Demonstrator.....</i>	RHODA GRANT

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).

1P. FIRST YEAR LABORATORY.

Nine hours a week, Spring Term.

2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

2P. SECOND YEAR LABORATORY.

Six hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY.

BIOCHEMISTRY

<i>Professor and Chairman of the Department</i>	D. L. THOMSON
<i>Assistant Professors</i>	{ O. F. DENSTEDT R. D. H. HEARD
<i>Sessional Lecturer</i>	H. SOBEL

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR

General Physiological Chemistry. 50 lectures and 100 hours laboratory work, in the second and third quarters of the first year.

Dr. Thomson

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

SECOND YEAR.

Nutrition, 10 lectures, in the first term of the second year

Dr. Thomson

Endocrinology. 25 lectures from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

<i>Strathcona Professor and Chair-</i>	
<i>man of the Department</i>	G. LYMAN DUFF
<i>Professor</i>	L. J. RHEA
<i>Associate Professor</i>	THEO. R. WAUGH
<i>Assistant Professor of Pathology</i>	C. Y. YUILE
<i>Lecturers</i>	{ J. E. PRITCHARD F. W. WIGLESWORTH*
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrators</i>	{ H. L. FOSTER M. B. MACKENZIE
<i>Sessional Demonstrators</i>	{ M. A. SIMON B. L. NEWTON
<i>Fellows</i>	{ E. G. HINDS HARRY STARR

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
Dr. Yuile, Dr. Foster and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....
Professor Duff.

*On military service.

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute Professor Duff and Dr. Foster.
Montreal General Hospital. Professor Rhea and Dr. Pritchard.
Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

Professor and Chairman E. G. D. MURRAY

Associate Professor FREDERICK SMITH

Assistant Professors { T. E. ROY*
C. D. KELLY
D. S. FLEMING

Lecturer W. H. MATHEWS*

Demonstrators { D. H. STARKEY*
N. W. MCLELLAN*
G. G. KALZ

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.**COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.**

Two lectures and demonstrations a week. Second term.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, Precis de Microscopie (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heinemann, Ltd.).

PARASITOLOGY

Professor and Chairman of the

Department.....T. W. M. CAMERON

*Lecturer.....IVAN W. PARNELL**

REQUIRED COURSE

SECOND YEAR.

2A. **HUMAN PARASITOLOGY.**—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

*On Military Service.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

<i>Strathcona Professor and Chairman of the Department</i>	
<i>Associate Professor and Acting Chairman</i>	R. ST. J. MACDONALD
<i>Assistant Professor</i>	FRANK G. PEDLEY
<i>Lecturer (Mental Hygiene)</i>	BARUCH SILVERMAN
<i>Demonstrator</i>	R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special fields. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the

School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student. This requirement has been waived, however, for the duration of the accelerated course, and has been replaced by a practical problem in public health and preventive medicine on which each student is asked to report.

REQUIRED COURSES

FIRST YEAR.

1A. *Public Health*—3 lectures:—Development of the modern public health program, and results; problems of public health and medical care..... Professor Macdonald and Professor Pedley.

1B. *Mental Hygiene*—2 lectures:—Introduction..... Dr. Silverman.

SECOND YEAR.

2A. *Public Health Organization*—5 lectures:—International, national, local and voluntary health organization. Professor Macdonald and Professor Pedley.

2B. *Mental Hygiene*—4 lectures:—Relation to preventive medicine; mental disorders, causes and prevention; community organization and facilities..... Dr. Silverman.

THIRD YEAR.

3A. *Hygiene*—11 lectures:—Maternal, Infant, Pre-School, School and Industrial Hygiene. Professor Macdonald, Professor Pedley and Dr. Ward.

3B. *Mental Hygiene*—12 lectures..... Dr. Silverman.

3C. *Epidemiology and Vital Statistics*—7 lectures. Professor Macdonald and Professor Pedley.

3D. *Sanitation*—6 lectures..... Professor Macdonald.

3E. *Preventive Medicine, Demonstrations*—6 periods Chandler Health Centre.

Text-books and reference books:—

The General Field—Mustard; Rosenau.

Industrial Hygiene—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene—The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the
Department R. L. STEHLE
Associate Professor of
Therapeutics D. S. LEWIS
Assistant Professor of
Pharmacology K. I. MELVILLE
Lecturer in Therapeutics W. DE M. SCRIVER
Lecturer in Anaesthesia WESLEY BOURNE
Lecturer in Pharmacology A. M. FRASER*

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver.

3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

*On Military Service.

3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Chairman of the

Department..... JONATHAN C. MEAKINS*

Acting Chairman of the

Department..... E. S. MILLS

Professor..... L. C. MONTGOMERY*

Associate Professors..... E. H. MASON, I. M. RABINOVITCH

(C. C. BIRCHARD, J. S. L. BROWNE
J. KEITH GORDON, J. KAUFMAN,
D. S. LEWIS, E. S. MILLS,
C. F. MOFFATT, W. deM. SCRIVER.

Lecturers.....

(C. R. BOURNE, G. R. BROW,
D. G. CAMPBELL, NEIL FEENEY,
A. F. FOWLER, C. W. FULLERTON,
R. H. M. HARDISTY, A. T. HENDERSON,
E. M. HUNTER, W. R. KENNEDY,
J. F. MCINTOSH, D. W. McKECHNIE,
J. H. PALMER*, COLIN SUTHERLAND,
C. J. TIDMARSH, R. VANCE WARD.

(L. J. ADAMS, D. BARZA,
J. O. W. BRABANDER, HUGH BURKE,
B. R. CUDDIHY, W. W. EAKIN,
GUY HAMEL, C. R. JOYCE,
H. E. MACDERMOT, J. F. MACIVER,
W. G. MCLELLAN, D. L. MENDEL,
J. G. MUNROE, M. NOTKIN,
H. N. SEGALL, A. T. THOM.

Demonstrators.....

(R. C. BENNETTS, J. J. DAY,
M. A. HICKEY, S. ORTENBERG,
S. L. RICHARDSON, C. B. SMITH,
F. McIVER SMITH.

Assistant Demonstrators.....

*On active service.

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PSYCHIATRY

<i>Clinical Professor</i>	C. A. PORTEOUS
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Assistant Professor (Neurology)</i>	A. W. YOUNG
<i>Lecturers in Neurology</i>	{ G. E. READ N. Viner
<i>Lecturer</i>	BARUCH SILVERMAN
<i>Demonstrators</i>	{ A. A. MACKAY C. H. SKITCH

THE CURRICULUM

FOREWORD:

The object of the following course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES.

SECOND YEAR

Course 2A *Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year.

Place—Medical Building.

Subject Material—

1. Diseases of Lungs.
2. Diseases of Heart, Kidneys, Blood Vessels.
3. Diseases of G.I. Tract.
4. Diseases of Liver, Spleen, and Blood.
5. Diseases of Metabolism.
6. Diseases of Ductless Glands.
7. Clinical Neurophysiology.

Course 2B—A Practical Course in Clinical Methods.

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal Physical Signs.

Course 2C—Laboratory Diagnosis.

Time—Last term of Second Year.

Pace—Pathology Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

THIRD YEAR

Course 3A—Amphitheatre Clinics in General Medicine.

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course 3B—Bedside Clinics and Practical Demonstrations.

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course 3C—Clinico-Pathological Conference.

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course 3D—Case Reporting.

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.

Course 3E—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR**Course 4A—*Amphitheatre Clinics in General Medicine.***

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course 4B—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course 4C—*Clinico-Pathological Conference.*

Time—Once a week during medical trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Course 4D—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

Course 4E—*Clinical Therapeutics—practical instruction.*

Time—Once a week for one trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Course 4F—*A Course of Lectures in Medicine and Specialties.*

Time—Four periods a week throughout year.

Place—Medical Building and the Montreal Neurological Institute.

Subject—Lectures in General Medicine and Allied Specialties.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

From time to time special Elective Courses are given at the Hospitals in such subjects as Haematology, Cardiology, etc.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norrs and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendenning, "Methods of Treatment"; "Pharmacopoeia of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

TOXICOLOGY: i. **DEFINITIONS.** ii. **OCCURRENCE OF POISONING**—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. iii. **MODE OF ACTION OF POISONS**: Modifying Causes—Amount. Form. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncracy. Other. iv. **CLASSIFICATION OF POISONS.** v. **ACUTE POISONING: DIAGNOSIS**—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. **TREATMENT: PRINCIPLES.** General Treatment.

Antidotes—Specific. Other. Treatment of Common Forms of Poisoning. vi. **LEGAL**: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. vii. **MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING**: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Collection of Suspected Materials for Chemical Examination. Post-mortem Examinations in Cases of Poisoning. Chemical Analysis.

MEDICAL JURISPRUDENCE: A. i. **INTRODUCTION**: Definitions—Law. Forensic Medicine. ii. **LEGAL POSITION OF DOCTORS**: Registration—Privileges. Supervision—Medical Councils. iii. **OBLIGATION OF DOCTOR TO THE STATE**: Medical Notifications and Certifications—Births. Still-births. Infectious Diseases. Deaths. Other. iv. **RESPONSIBILITIES TO PATIENT**: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Circumstances that Demand Examination. Consent in Examination. v. **MALPRACTICE**: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Skill". "Reasonable Care and Judgment". B. **LEGAL CRIMINAL PROCEDURE**: i. **INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES**—Communication between Doctor and Coroner. Coroner's Court. Subpoenas. ii. **MEDICAL EVIDENCE**: (a) Documentary—Certificates. Reports. Written Opinions. Dying Declarations. Res Gestae. (b) Oral—Common Witness. Expert Testimony. Use of Notes. Use of Books. (c) Experimental Evidence. iii. **GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES**: Professional Secrecy. Privileged Communications. Precognitions. Fees. (c) **MEDICO-LEGAL ASPECTS OF DEATH**: i. **SIGNS OF DEATH**: Real Death—Somatic. Molecular. Tests for Cessation of Respiration and Circulation. Eye Changes. Cooling of Body. Hypostasis. Changes in Muscular System—Flaccidity. Contact Flattening of Muscles. Rigor Mortis—Conditions which Modify Onset and Duration of Rigor Mortis. Conditions Simulating Rigor Mortis. Cadaveric Spasm. Putrefaction. Conditions Affecting Rate of Putrefaction. Mummification. Adipocere Formation. Other Agents in the Destruction of the Body. ii. **APPARENT DEATH**. iii. **PROXIMATE CAUSES OF DEATH**—Syncope. Asphyxia. Coma. iv. **SUDDEN DEATH**—Natural. Violent. v. **PRESUMPTION OF DEATH**—Presumption of Survivorship. vi. **MEDICO-LEGAL FORMS OF DEATH**: Mortal Wounds. Burning and Scalding—Thermal Burns. X-Rays Burns. Burns from Corrosive Fluids. Lightning. Electrical Currents. Judicial Electrocution. Heat Exhaustion and Heat Stroke. Cold and Exposure. Suffocation. Drowning. Hanging. Judicial Hanging. Strangulation. Throttling. Criminal Neglect and Starvation. vii. **POST-MORTEM EXAMINATIONS FOR MEDICO-LEGAL PURPOSES**—General Procedures. Special Procedures. Exhumations. Embalming. Cremation. viii. **IDENTIFICATION OF THE DEAD**—Age. Sex.

Race. Stature. Development. Hair. Eyes. Teeth. Occupation Marks. Deformities and Peculiarities, etc. Burned Bodies. Skeletal, Dismembered and Mutilated Remains. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Anthropometry. Dactylography. Teeth. Scars and Tattoo Marks. Birth Marks. Occupation Marks. Congenital Deformities. Mistaken Identity. E. BLOOD STAINS: Medico-legal Information from Blood Stains—Collection of Suspected Materials. Examination of Blood Stains. Stains which Resemble Blood. Blood Grouping. F. WOUNDS: i. Legal Definition. ii. Abrasions. Contusions. Lacerated, Incised, Stab and Punctured Wounds. Wounds from Firearms. Wounds in Various Parts of the Body. iii. Medico-legal Examination of a Wounded Person—Duty of a Medical Man when called to Examine a Wounded Person—Is the Wound Suicidal, Homicidal or Accidental? iv. Causes of Death from Wounds—Direct, Indirect. v. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: i. Reasons why Pregnancy may be Feigned. i. Signs of Pregnancy. iii. Period of Gestation—Abnormal Gestation and Legitimacy. iv. DELIVERY—Signs in the Living. Signs in the Dead. v. Civil Aspects of Birth—Inheritance. H. ABORTION: i. Natural. Therapeutic. Criminal. ii. Duty of Doctor in Case of Suspected Criminal Abortion. Duty in Case of Known Criminal Abortion. iii. Post-Mortem Examination. I. IMPOTENCE and STERILITY. J. RAPE: i. Physical Signs in Adults and Children. i. Medico-legal Examination in a Case of Alleged Rape. K. INFANTICIDE: i. Legal Definition of Live Birth—Civil Cases. Criminal Cases. ii. Stillbirths. iii. Causes of Death to the Foetus. iv. Medico-legal Examination in Cases of Suspected Infanticide—Test Determining Whether a Child was Born Dead or Alive. v. Concealment of Birth. vi. Concealment of Pregnancy. L. MENTAL UNSOUNDNESS: i. Legal Definitions. ii. Types of Insanity. iii. Insanity and Responsibility—Testamentary Capacity. Criminal Responsibility. iv. Medico-legal Procedures—Physical Examinations in Cases of Suspected Insanity. Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: i. Diagnosis—Clinical. Chemical. ii. Medico-legal Aspects of Alcoholism—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Forensic Medicine and Toxicology—F. J. Smith. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence. A Synopsis of Forensic Medicine and Toxicology—Thomas. Legal Medicine and Toxicology—Webster.

PAEDIATRICS

<i>Professor and Chairman of the Department</i>	R. R. STRUTHERS
<i>Associate Professor</i>	S. GRAHAM ROSS
<i>Assistant Professors</i>	{ A. GOLDBLOOM L. LINDSAY A. K. GEDDES*
<i>Lecturers</i>	{ ALAN ROSS* JESSIE BOYD SCRIVER H. P. WRIGHT*
<i>Demonstrators</i>	{ E. M. WORDEN S. J. USHER
<i>Assistant Demonstrator</i>	B. BENJAMIN
<i>Sessional Demonstrators</i>	{ C. STEWART S. I. DOUBILET J. H. O'NEILL S. B. SHAPIRO F. SHIPPAM

REQUIRED COURSES

1. **LECTURE COURSE:** A series of lectures on paediatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.

Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.

2. **DISEASES OF THE NEWBORN:** Royal Victoria Maternity Pavilion.
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

Professor Ross, Drs. Scriver and Worden.

3. **CLINICAL PAEDIATRICS:** During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Paediatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Paediatrics. Immunization Procedures—Montreal Foundling and

*On Military Service.

Baby Hospital. Drs. Scriver, Usher, Benjamin. Child Welfare Association clinics.

(c) Infectious Diseases: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

Text-books:—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics".

Reference Books:—Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood". (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

NEUROLOGY AND NEUROSURGERY

<i>Professor and Chairman of</i>	
<i>Department</i>	WILDER PENFIELD
<i>Associate Professor</i>	WILLIAM CONE
<i>Associate Professor of Neurology</i>	COLIN RUSSEL
<i>Clinical Professor of Neurology</i>	F. H. MACKAY
<i>Assistant Professors of Neurology</i>	{ ARTHUR W. YOUNG DONALD McEACHERN*
<i>Assistant Professor of Neuro-psychiatry</i>	MIGUEL PRADOS
<i>Assistant Professor of Neurosurgery</i>	ARTHUR ELVIDGE
<i>Assistant Professor of Radiology</i>	A. E. CHILDE
<i>Assistant Professor of Neuro-physiology</i>	HERBERT JASPER
<i>Lecturers in Neurology</i>	{ JOHN KERSHMAN F. L. MCNAUGHTON J. N. PETERSEN NORMAN VINER
<i>Lecturer in Neuropathology</i>	KARL STERN
<i>Demonstrators in Neurosurgery</i>	{ MURTON SHAVER O. W. STEWART*
<i>Demonstrator in Neurological Electrogaphy</i>	ANDRÉ CIPRIANI*
<i>Assistant Demonstrators in Neurosurgery</i>	{ G. K. MORTON PETER LEHMANN T. S. BENNETT
<i>Research Fellows</i>	{ E. S. LOTSPEICH W. D. ROSS*

*On Military Service.

COURSES OFFERED IN NEUROLOGY AND NEUROSURGERY

SECOND YEAR.

2A. *Clinical Neuroanatomy and Neurophysiology.* 4 lectures. Dept. of Medicine. Dr. McNaughton.

2B. *Physical Examination of the Nervous System.* 2 theatre clinics. Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Prof. F. H. Mackay.

THIRD YEAR.

3A. *Survey of Neurology and Neurosurgery.* 8 lectures, Dept. of Medicine, 8 lectures, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield and Professor Russel.

3B. *Neuropathology.* 8 lectures, Dept. of Pathology. Pathology amphitheatre. Dr. Karl Stern and Professor Penfield.

FOURTH YEAR.

4A. *Neurological and Neurosurgical Clinics.* 6 theatre clinics, Dept. of Medicine, 6 theatre clinics, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield, Professor Russel and staff.

4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Professor Russel and assistants.

4C-1 *Neurology Ward Classes.* Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Professor Russel.

4B-2 *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Monday & and Friday afternoons. (M.G.H. group). Prof. F. H. Mackay and 4C-2 assistants.

4D-1 *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (R.V.H. group). Dr. Cone.

4D-2 *Neurosurgery Ward Classes.* Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.

ELECTIVE COURSES.

I. *Clinics on Diseases of the Nervous System.* R.V.H. Outpatient amphitheatre, Tuesdays 3-4 o'clock. Professor Penfield.

II. *Contribution of the Basic Sciences to Neurology.* M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.

III. *Introduction to the Study of Psychological Medicine.* 5 lectures. M.N.I. Dr. Prados.

IV. *Advanced Neuroanatomy (Anatomy 4).* Construction of Model of Human Brain. M.N.I. Monday and Tuesday 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.

SURGERY

<i>Professor and Chairman of the Department of Surgery</i>	F. E. MCKENTY
<i>Professors</i>	F. B. GURD
<i>Associate Professor</i>	J. C. ARMOUR
<i>Assistant Professors</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>R. R. FITZGERALD, J. G. W. JOHNSON, C. A. MCINTOSH*, L. H. MCKIM*, G. GAVIN MILLER, D. E. ROSS, A. ROSS, A. J. STEWART, H. L. DAWSON, A. L. WILKIE, H. M. ELDER*, F. J. TEES</p> </div> <div style="flex: 1;"> <p>C. LUKE*, S. J. MARTIN, H. F. MOSELEY, P. G. ROWE, S. G. BAXTER, H. G. PRETTY</p> </div> </div>
<i>Lecturers</i>	
<i>Sessional Demonstrators</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>C. J. F. PHILLIPS-WOLLEY G. A. P. HURLEY</p> </div> <div style="flex: 1;"> <p>F. D. ACKMAN, H. A. BAXTER, E. H. CAYFORD, H. S. DOLAN, G. D. LITTLE, C. K. MCLEOD, H. GRAHAM ROSS, J. C. SUTTON</p> </div> </div>
<i>Assistant Demonstrators</i>	

ORTHOPAEDIC SURGERY

<i>Clinical Professors</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>J. A. NUTTER W. G. TURNER</p> </div> <div style="flex: 1;"> <p>W. J. PATTERSON N. T. WILLIAMSON</p> </div> </div>
<i>Lecturers</i>	
<i>Assistant Demonstrators</i>	

ANAESTHESIA

<i>Lecturers</i>	<div style="display: flex; justify-content: space-between;"> <div style="flex: 1;"> <p>WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON</p> </div> <div style="flex: 1;"> <p>A. M. TORRIE</p> </div> </div>
<i>Assistant Demonstrator</i>	

SURGERY

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

*On Military Service.

REQUIRED COURSES

SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

Courses.

- 2A. *Amphitheatre clinics*, in the Montreal General Hospital and Royal Victoria Hospital, two days a week during the term.
- 2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

Courses.

- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, once a week during the term.
- 3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.
- 3D. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

FOURTH YEAR.

Courses.

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group ward classes* in the Montreal General and Royal Victoria Hospitals, twice a week during the term.
- 4C. *Case Reporting.*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

4E. *Military Lectures*. A course of 8 lectures on War Surgery, one evening a week.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR COURSES.

- 4A. *Clinical Lectures*. A course of 8 lectures given at the University.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopaedic Surgery*: Whitman's "Orthopaedic Surgery"; Jones, "Orthopaedic Surgery of Injuries"; Jones and Lovett, "Orthopaedic Surgery"; Mercer's "Orthopaedic Surgery"; Willis Campbell's "Orthopaedic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopaedic Operations".

UROLOGY

<i>Professor</i>	F. S. PATCH
<i>Clinical Professors</i>	{ R. E. POWELL E. S. SMITH
<i>Lecturer</i>	M. I. SENG
<i>Demonstrators</i>	{ A. B. HAWTHORNE A. M. J. TANNEY

SECOND YEAR.

2A. *Clinical Urology*.

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

FOURTH YEAR.

4A. *Survey of Urology*. 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics—Ward Classes*.

The Montreal General Hospital—2 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. *Case Reporting in Urological Wards*.

4D. *Clinico-Pathological Conference.*

Once a week at the Montreal General Hospital.

4E. *Venereal Disease.*

One demonstration a week in the Outpatient Departments of the Montreal General and Royal Victoria Hospitals.

OBSTETRICS AND GYNÆCOLOGY

Professor and Chairman of the

Department J. R. FRASER

Associate Professors { A. D. CAMPBELL
[N. W. PHILPOTT

Clinical Professor J. W. DUNCAN

Assistant Professor W. A. G. BAULD

Lecturers { J. S. HENRY
P. J. KEARNS
G. C. MELHADO
IVAN PATRICK
ELEANOR PERCIVAL

Demonstrators { DOUGLAS GURD
K. T. MACFARLANE
C. V. WARD*

Assistant Demonstrator G. B. MAUGHAN*

A. A. Brown Fellow

Teaching Fellow

Sessional Lecturers { GEORGE STREAN
G. T. ALTIMAS

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

*On military service.

OBSTETRICS

REQUIRED COURSES

THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynaecological lesions. Prof. Philpott.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff.
4. Clinical instruction for twelve periods in case-rooms and wards. Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta. Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born. Prof. Struthers and Prof. Ross.

FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Trimester. Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—
 - Normal Labour..... Prof. Philpott and Dr. Foote.
 - Dystocia..... Prof. Bauld and Dr. Melhado.
 - Toxaemia of Pregnancy.. Prof. Duncan and Dr. Kearns.
 - Haemorrhage..... Dr. Patrick and Dr. Henry.
 - Puerperal Infection..... Prof. Campbell and Dr. MacFarlane.
4. Special Theatre Clinic conducted each Saturday at 9 a.m. to 10 a.m. for the term group. Prof. Campbell.
5. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards. Given by Senior Members of Staff.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

(1) De Lee	Principles and Practice of Obstetrics.
(2) Stander	Text book on Obstetrics.
(3) Ten Teachers	Midwifery.
(4) Harper	Clinical Obstetrics.
(5) Bourne	Synopsis of Midwifery and Gynæcology.
(6) Johnson, R. W.	Text book of Midwifery.
(7) Bland	Practice of Obstetrics.
(8) Miller, J.	Manual of Obstetrics.
(9) Appleton	Obstetrical and Gynæcological Monographs.
(10) Peterson	Demonstration Course in Obstetrics.
(11) Irving	Text book on Obstetrics.
(12) Beck	Obstetrical practice.
(13) Adair	Obstetrics.

GYNÆCOLOGY.

(1) Graves	Text book of Gynæcology.
(2) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Blair Bell	Principles of Gynæcology.
(6) Kelly, Howard	Text book of Gynæcology.
(7) Goodall	Puerperal Infection.
(8) Crossen	Gynæcology.
(9) Kennedy, Campbell	Vaginal Hysterectomy.

OPHTHALMOLOGY

<i>Professor and Chairman of the</i>	
<i>Department</i>	J. A. MACMILLAN
<i>Assistant Professor</i>	STUART RAMSEY
<i>Lecturers</i>	{ K. B. JOHNSTON J. ROSENBAUM
<i>Assistant Demonstrator</i>	B. ALEXANDER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR.

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours..... Professor MacMillan and members of the Staff.

THIRD YEAR.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan.

FOURTH YEAR.

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

<i>Assistant Professor and Chairman</i>						
<i>of the Department</i>	D. H. BALLON					
<i>Assistant Professor</i>	G. E. HODGE					
<i>Lecturers</i>	<table><tr><td>W. J. McNALLY</td></tr><tr><td>R. P. WRIGHT*</td></tr><tr><td>K. O. HUTCHISON</td></tr><tr><td>G. E. TREMBLE</td></tr><tr><td>A. O. FREEDMAN</td></tr></table>	W. J. McNALLY	R. P. WRIGHT*	K. O. HUTCHISON	G. E. TREMBLE	A. O. FREEDMAN
W. J. McNALLY						
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G. E. TREMBLE						
A. O. FREEDMAN						
<i>Assistant Demonstrators</i>	<table><tr><td>G. E. M. HILTON</td></tr><tr><td>F. W. SHAVER</td></tr></table>	G. E. M. HILTON	F. W. SHAVER			
G. E. M. HILTON						
F. W. SHAVER						

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

*On military service.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon; Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

<i>Associate Professor and Chairman of the Department</i>	CARLETON B. PEIRCE
<i>Assistant Professor</i>	W. L. RITCHIE
<i>Assistant Professors</i>	{ E. C. BROOKS A. E. CHILDE
<i>Demonstrators</i>	{ J. W. MCKAY M. BEATON J. BOUCHARD*

COURSES OFFERED IN RADIOLOGY

FIRST YEAR.

In co-operation with the Department of Anatomy a series of 6 demonstrations are given. In this series film studies of bone, lungs, and other parts of the anatomy are shown, and fluoroscopic demonstrations of movements in joints, of the diaphragms, and heart. These are given by Associate Professor Peirce and staff.

SECOND YEAR.

Demonstrations are given to small groups of students in both the Montreal General Hospital and the Royal Victoria Hospital. These demonstrations are an introduction to the various methods of radiological examinations used in approach to diagnosis. These are given at the Royal Victoria Hospital by Associate Professor Peirce and staff, and at the Montreal General Hospital by Associate Professor Ritchie and staff.

*On military service.

THIRD YEAR.

A course of 20 lectures are given at the University by Associate Professors Ritchie and Peirce, and Assistant Professors Brooks, Childe and McKay. These lectures cover the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties, and also uses and application in therapy.

FOURTH YEAR.

A course of seven lectures are given on subjects of special clinical interest. These are given by Associate Professors Ritchie and Peirce and Assistant Professors Brooks, Childe and McKay. Throughout the year in the different teaching hospitals, a weekly conference of one hour's duration is held for clinical roentgenological consideration of cases in hospital. Also students attend Tumor Clinics weekly where possible.

POST GRADUATE INSTRUCTION.

At the teaching hospitals of McGill Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

PSYCHIATRY

*Professor and Chairman of the
Department* D. EWEN CAMERON

A Department of Psychiatry has been formed during the past session. Appointments are being made and courses of instruction have been drawn up. Further details will be announced during the session. Pending the completion of these steps, teaching in Psychiatry is being continued as in the previous year.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

<i>Director</i>	J. B. COLLIP
<i>Lecturers</i>	<i>(</i> ROBERT L. NOBLE A. H. NEUFELD
<i>Fellow</i>	HECTOR MORTIMER
<i>Sessional Lecturer</i>	C. GWENDOLINE TOBY

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

*3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

*Suspended for the present session.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is as prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootiology and Public Health Parasitology.

The tuition fee for the course is \$150.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

*Suspended for the present session.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building is at present being reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

- Royal Victoria Hospital.
- Montreal General Hospital.
- Children's Memorial Hospital.
- Foundling Division, Children's Memorial Hospital.
- Alexandra Hospital for Infectious Diseases.
- Verdun Protestant Hospital.
- Royal Edward Institute.
- The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynaecological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

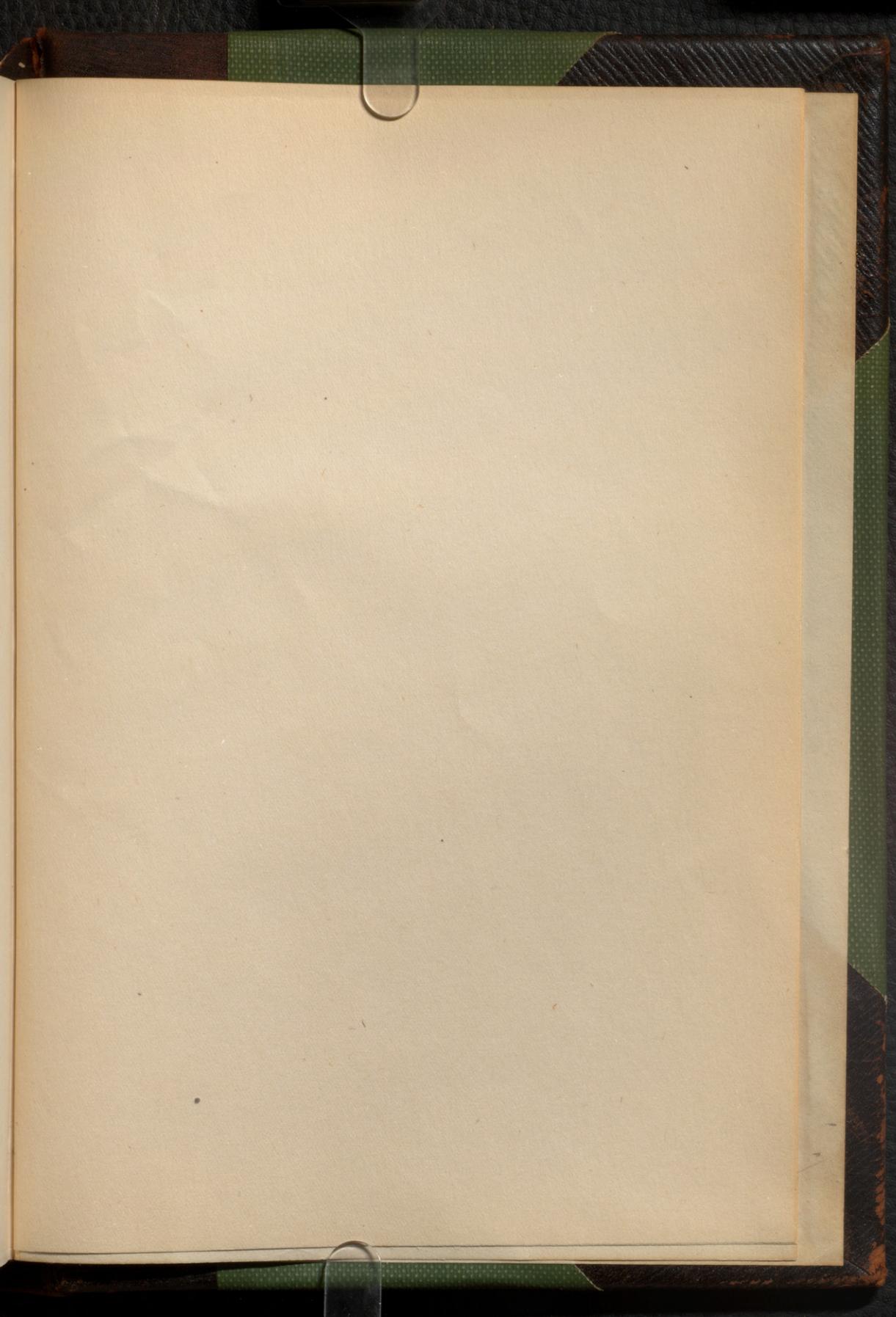
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

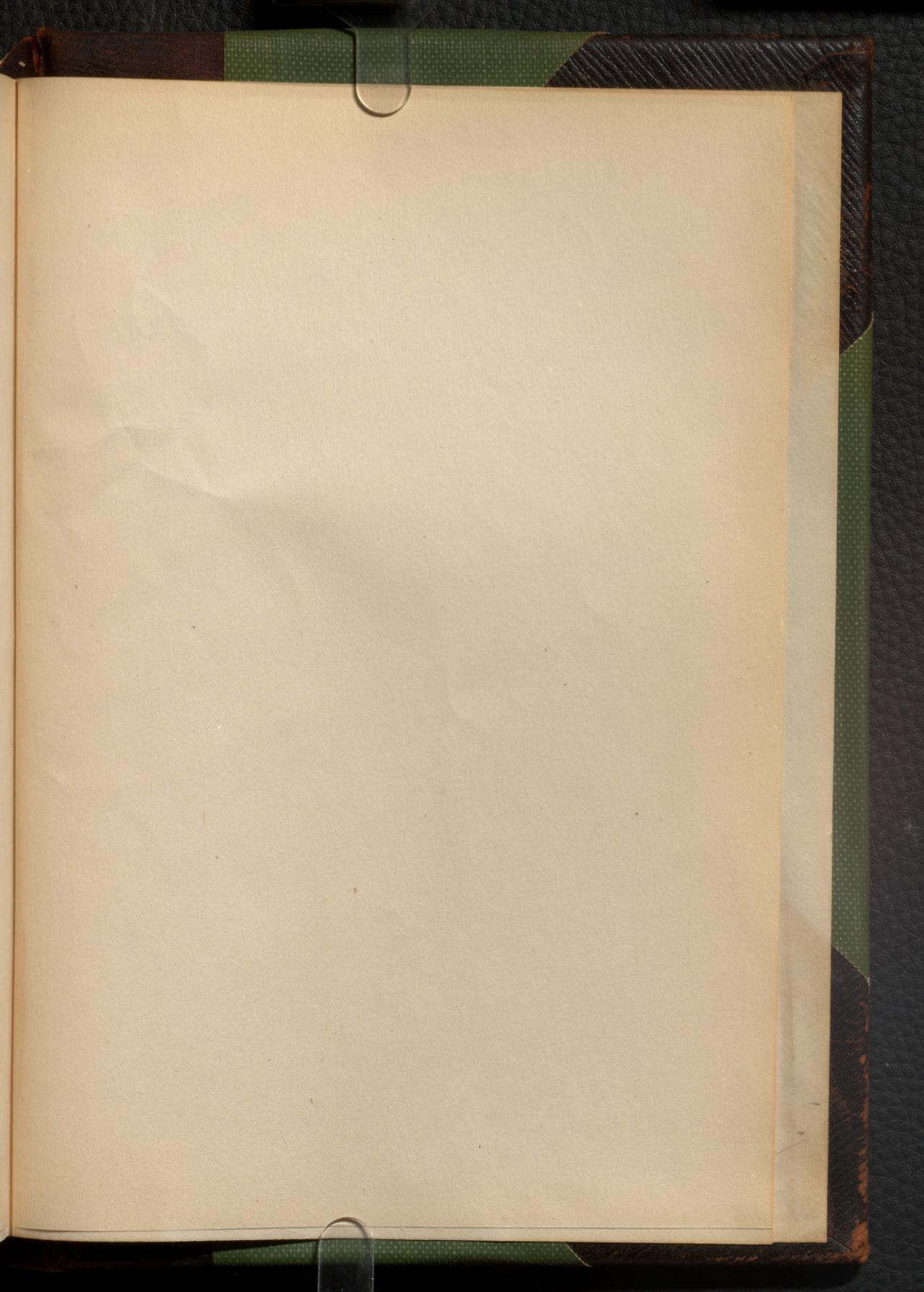
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

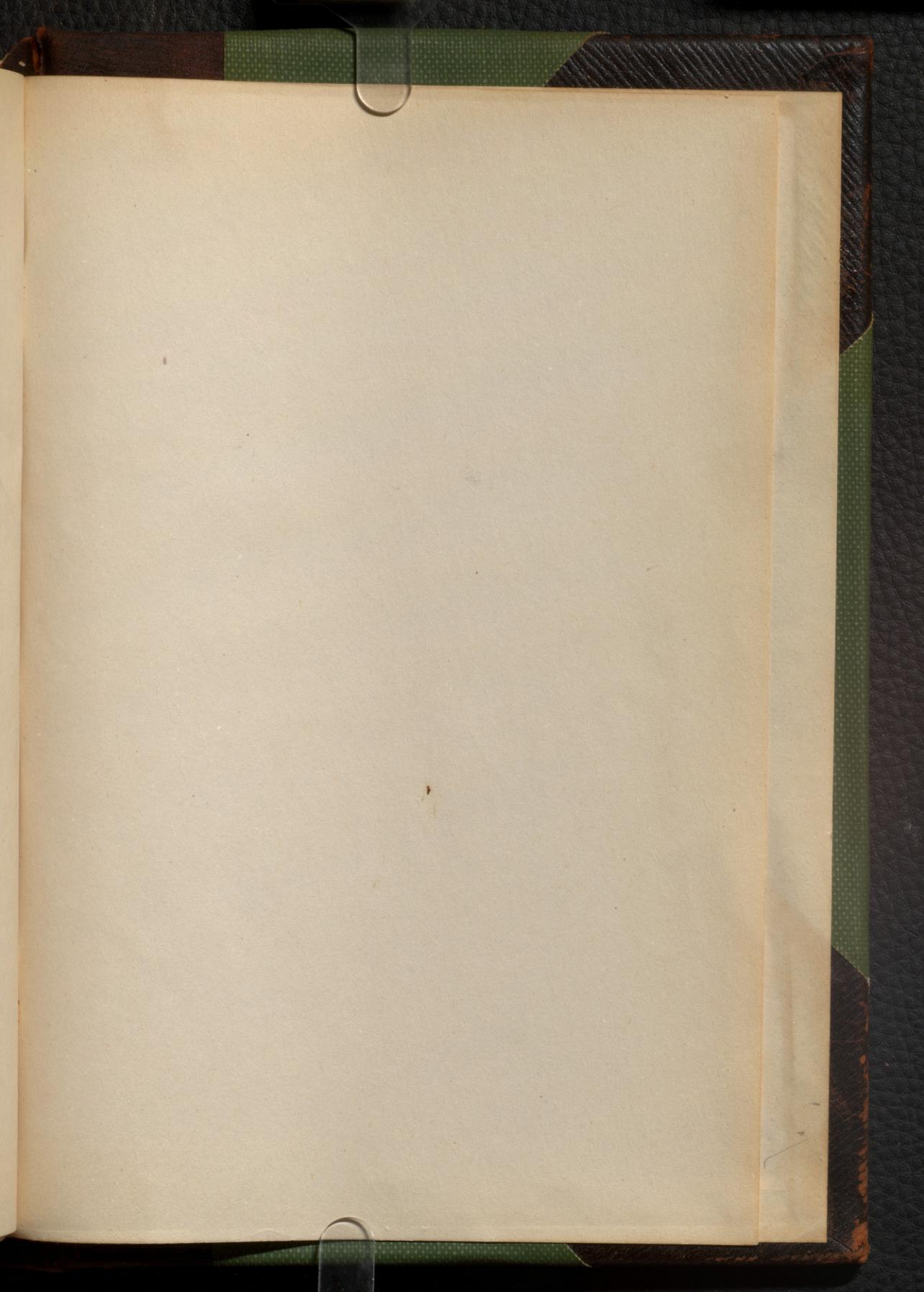
3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.







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